

2016 AWARD NOMINATION WINNERS

ESCAPE 2016

BBD GRADS TRAVEL TO INDIA

ANGULAR VS REACT

BANKING FOR KIDS

BBD'S OWN SPEAKS AT JAVAONE

YEAR END FUNCTION

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've recently joined the life of motherhood and as most parents understand, this keeps me very busy and up most nights.

This got me thinking about family – the good, the bad and the ugly. Family is integral and for me, being part of the BBD family for the past 15 years has been just as crucial.

Working with people you become like a family because you are together every day. We all encourage, motivate and help each other, but we also become close and learn to have fun together as a team. Many of us work very long hours and truly get to know the personalities of our sibling colleagues, their ups and downs, the daily intrigue of office life – the drama, the laughs, the cups of tea, carbophobia and don't forget the chips!

Being a part of the comms team, we play a significant role in keeping BBD close knit and connected. We created the BBD Family wall to inspire a family presence at work and I know I nag and nag many of you for articles for our magazine but we really do need all the latest information, events and news that we can share with our colleagues, clients, prospective employees and new clients – helping to keep us an intimate and tight knit family. But hey, can you blame me – I'm a Jewish kog and I love to find out anything anyone has to tell me.

So come on, don't make me beg - send us ANYTHING that we can share with our family to **communications@bbd.co.za.**

As we are approach holiday time / silly season, please remember to buckle up and be safe.





THE PEANUT GALLERY

INDIVIDUAL SKILL COMBINED INTO SELF ORGANISED TEAMS IS UNBEATABLE!

t's great to get a platform like this to wax lyrical on some particular subject or issue that is currently top of mind in the space we play. This time there will be no sport, no politics and yup, sorry guys and girls, no sex, so feel free to move swiftly to the next page or....keep reading.

In the course of sales and meeting potential new client the business is often being exposed to projects where poorly experienced, poorly guided and incorrectly assigned skills driving ahead in the wrong direction and doing the wrong thing, result in failing projects. There is definitely a lack of understanding in many of these potential new clients of the complexity involved, even in what they see as "simple" software projects and most do not have the ability or bravery to question why many months into a project they are still not seeing ANY value or real business functionality. In many cases the vendors providing services don't even have sight of how deep a hole they are in and don't bring emergency measures in to bring things back into line. BBD has seen this many times over the years and the number of projects our people have saved has been a key aspect

This brings me to the point; as a BBD person reading this, DO NOT underestimate YOUR skill and abilities relative to what many of us are exposed to out

in the market. Your skill, attitude and the access to some of the best minds in the industry to learn from and debate with are not the norm. Further, DO NOT underestimate the way that BBD constitutes and dissolves teams for various requirements across the business. Experience is combined with energy, business insight with technical expertise, work with play, and all with a focus on delivering a solution of value. No process, method, technology, package or stupid amount of money will beat a highly motivated and skilled team in taking a software solution live, BBD's past has demonstrated this again and again.

So with a high level of professionalism, engage with your team and client where you believe things can be improved or simplified and if in doubt bring your concerns back into the business to clarify how to make an approach that will result in the best outcome. You have a duty to yourself, to the client and to BBD to ensure that your skills and ability are put to the best use so push back against short-cuts and drive for quality delivery. We are not arrogant, but absolutely confident that the people in BBD continue to be part of an elite cross section of our industry, don't forget it.

Gus Pringle

2016 AWARD WINNERS







THABANG LEDWABA

JEAN MOUTON





JACO BOTHA



JONATHAN JONES





LOUIS TERBLANCHE



LESEDI MASEMOLA





GODISANG MFELANG



IVAN LAZAROV



PIETER LE ROUX



PRASAD BHOGI





JAMES VODDEN





LUKE BOWES



NOSIPHO RAKOMA



VUTLHARI RIKHOTSO





MANUS DU PLESSIS





GRACE GARLAPATI



VICTOR GROBLER

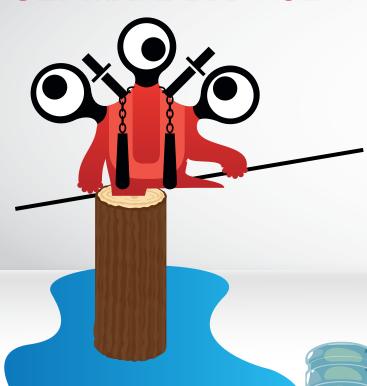


STEFAN JANKOWITZ



AWARD NOMINATIONS 2017

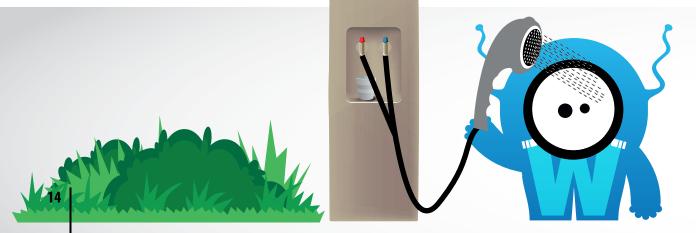
ULTIMATE BBD AGENT



Out with the old in with the new! As the new year approaches we move onto a new chapter and with that new opportunities to be on top of your game. Introducing the new characters for 2017. Which one will you be?!



WHATEVER IT TAKES



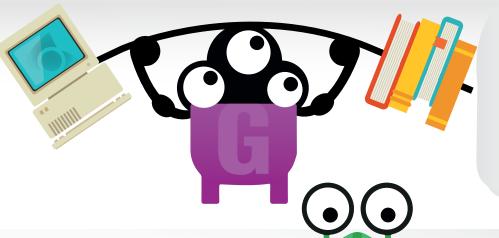
The Award Nominations give recognition for exceptional solution and service delivery. They recognise the excellence within the company by rewarding BBD staff members who go beyond the call of duty for our clients and colleagues. Those who are "doing what it takes" so to speak



THE SILENT OPERATOR

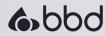
The 2017 Award Nominations will accept nominations for anybody in any category. There will be 2 winners selected every month! The nominations will run from February through to October. The grand prize winners will be announced at the end of the year.

GRASPS OPPORTUNITIES & WISDOM



In 2017 we'll be switching it up! The Award winners will now have the oppourtunity to "PICK A PRIZE" from a CHOICE range of prizes. In addition to this, winners will be given a selection of charities from which they can choose one and BBD will donate R1000 on their behalf!

BBD **GROUP**



BBD's core business is bespoke software development, consulting, integration and system support & maintenance. We are South Africa's premier provider of these services with the longest track record and the largest skills base.



BBD Pune compliments BBD SA's core business by attracting some of the most talented individuals that one of India's top University cities has to offer. As Pune is a growing IT Hub BBD Pune is also able to access specialist skills that are scarce in South Africa.

innosys

InnoSys, a subsidiary company of BBD, is a specialist in the development of custom software systems for the South African, UK and European insurance industries. InnoSys has extensive insurance knowledge and experience in the development, implementation and post-implementation support of systems across a range of short term, life, commercial and specialist niche insurance domains.



MVT Technologies is a cooperation between BBD and Hloni Nthako, an entrepreneur passionate about enabling technologies and focuses on providing bespoke software solutions in identity management and verification in both the public and private sector.

BBD **STRUCTURE**

Sphere Investments // 49.9%
Broad Based Educational Trust // 1.1%

BBD Management // 39.7%
BBD Staff Share Trust // 9.3%



BBD // 100%



BBD // 73%

Innosys Management // 27%



BBD // 49%

MVT Management // 51%





PREMIER VERIFICATION

B-BBEE Verification Certificate Issued to:

Barone, Budge & Dominick (Pty) Ltd

1 Newtown Avenue, Killamey, Ceuteng, 2193

Company Registration: 1984/007889/07

VAT: 4070111713

LEVEL FOUR (4) CONTRIBUTOR

B-BBEE Recognition Level – 100.00% Procurement Recognition Level – 125.00%

Generic Scoracerd
Information and Communication Technology (ICT) Charter (Section 9(1), 35423)

Scherle	Result	
Value Adding Supplier	Yes	
Enterprise Development Beneficiary	Category B	
Binck Ownership	51.01%-	
Black Female Ownership	16 24%	
Modified Flow Through Applied	Yes	
Isaus Oate	29 April 2016	
Expiry Date	28 April 2017	
Certificate Number	PV 1604077	

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Denemble	16.50	20.00
Management Control	3.04	10,00
Employment Equity	0.82	\$0.00
Škilis Developmeni	0.80	17.00
Preferential Procurement	19 15	20:00
Enterprise Development	11.00	11.00
Socia-Economic Development	11.43	12.00
Overall Result	72.74	100.00
Deemed Result	72.74	100,00





Tel: 010 591 0591 Fax: 086 626 7484 Postnet Suite 334, Private Bag X11, Craighall, 2024 No. 5 Second Road, Hyde Park, Fountain Grove Office Park, Block 2, Johannesburg

www.preierbee.co.za



As a level 4 contributor, BBD shows an on-going commitment to all the different aspects of B-BBEE. The different pillars that are used for measurement of a business in the ICT Sector are designed to require a B-BBEE focus on ownership, management, procurement, employment, training, business development and social initiatives.

A recent change in the ICT Sector B-BBEE codes has meant that social initiatives are now focused on helping South Africans cross the digital divide. BBD's level 4 score, along with being recognised as a value adding enterprise, means that BBD clients can claim 125% of every Rand spent with BBD as B-BBEE spend.

YEAR END FUNCTION































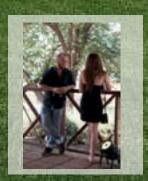














YEAR END FUNCTION









































































































Agile Africa 2016, held at the Wanderers Club, Illovo on the 22nd to the 23rd of August 2016, with more than 300 delegates and guest speakers from all over the world including Sweden, the USA, New Zealand, Kenya and South Africa to name a few, Agile Africa has become the go to conference for sharing new ideas around Agility and inculcating the Agile mindset.

The groundswell of Agility in South Africa is gaining momentum, with WeThinkCode_, encouraging learners to think Agile, solving problems, rather than just writing code and thereby changing the world around them. ABSA switched from waterfall to Agile delivery and has extended this approach to all projects, not just software development.

The Keynote adresses were of the highest standard. Two stood out: one byHenrik Kniberg, consultant to Lego and Spotify, entertained the delegates with his Agile soup – the ingredients being:

- 1. **Shared purpose:** Having a common vision
 - 2. **Transparency:** Encouraging openness and candidness
 - 3. **Feedback loops:** Used to measure progress and change direction
 - 4. Clear priorities: Every team member understands these
 - Organisational learning: A goal in itself and a by-product of delivery
 - 6. **Leaders:** The final ingredient to the soup is the leaders in the organisation, creating an environment in which teams can thrive, solving problems whilst continuing to experiment.

The second was Sandy Mamoli who shared the idea of team self-selection and the resulting increase in productivity.

Agile Africa 2016 was about Product, rather than writing code, solving problems, changing the world, failing consistently and getting it right.

To view the details and synopsis of Agile Africa 2016 http://agileafricaconf.com and select the playlist.

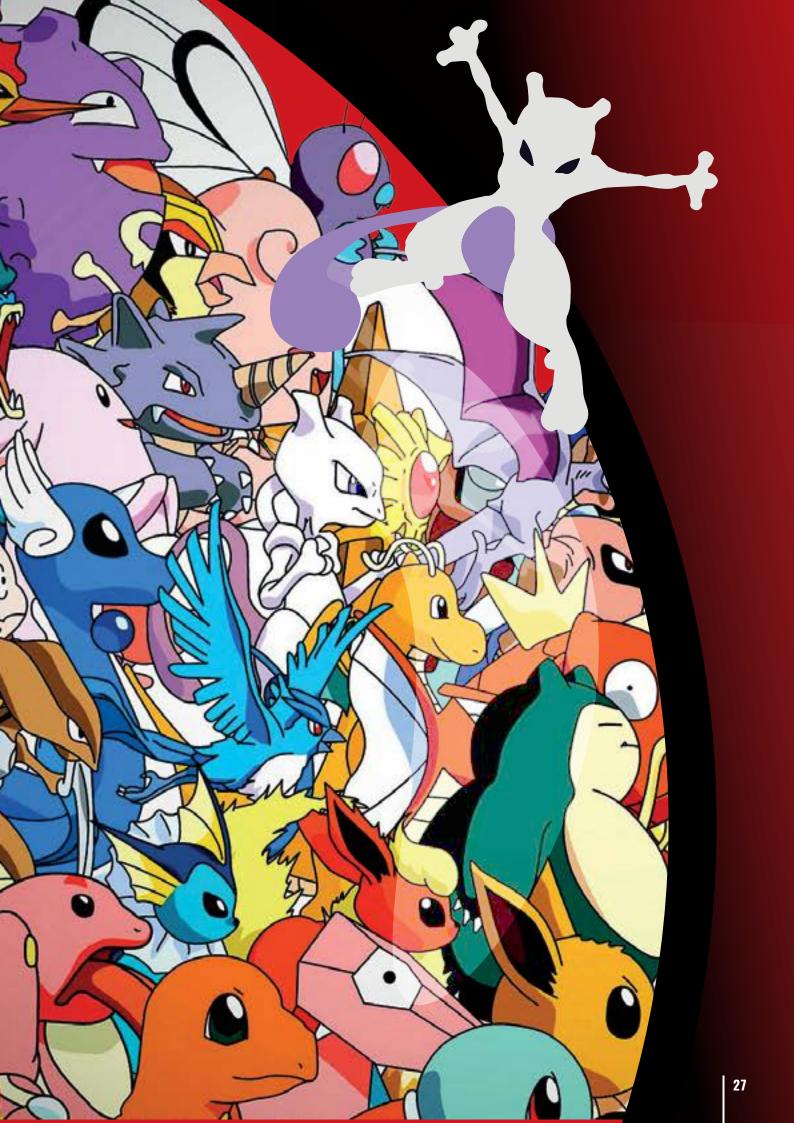
Patricia Draper
LabourNet Team



25







BANKING VERTICAL

BD has been working within the South African banking sector since BD's inception. We originally had a very popular product called DSIP that many of the investment banks trading divisions used to visualise information from Reuters about the markets. This product gave the client contacts that led to the successful development of several Forex Trading Systems and these early projects gave BBD a reputation of outstanding delivery and technical expertise which is still acknowledged today.

Many of the BBD'ers working in the banking vertical have years of experience which is needed as the products within banking are often quite complex. There are the basic products like current accounts, savings and home loans, but they get increasingly complex when we work with Foreign Exchange, Options, Derivatives and Equities... not to mention the Market & Credit Risk and Liquidity Management areas that are really higher grade material.

Delivering projects within the banks can be complex and frustrating as the environments have a lot of legacy systems and technologies, there are many IT and Business Processes and on top of this, the banking environment is highly regulated by the SARB (South African Revenue Bank). However, even given these complexities we have a track record of delivering quality systems.

The banking vertical goal is to grow and retain our business and technical expertise within the company and be seen by the South African Banks as the leading company for custom developed solutions as well as local knowledge on the SA banking sector.

Matthew Barnard std bank team

These early projects gave BBD a reputation of outstanding delivery and technical expertise which is still acknowledged today.

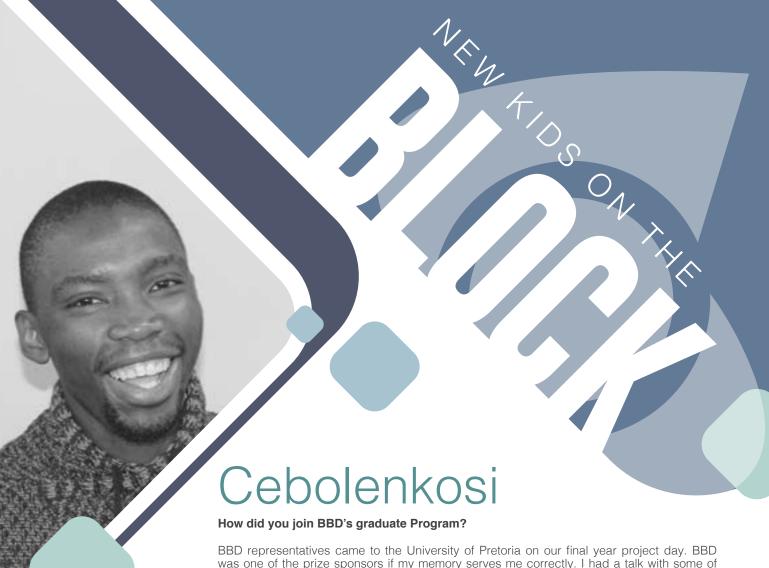
escape

2016

escope is BBD's very own technology conference and this year we did it in style. We covered 3 tracks with 3 presentations each and covered topics on software development, business analysis and project management as well as showcased some of the awesome work we as BBD have done over the years.







BBD representatives came to the University of Pretoria on our final year project day. BBD was one of the prize sponsors if my memory serves me correctly. I had a talk with some of the BBD people like Lynn from HR. They told me about BBD and we exchanged information. A few weeks later I was contacted, took the aptitude test, was invited to an interview and the following year I joined BBD.

Why did you study software development?

I was always intrigued by how computers work, what makes them tick and how they can do the things they can do. I then decided to look into the differences between computer engineering and computer science – after that I was sure I wanted to learn more about software as opposed to hardware. I enrolled at Tuks and never looked back even though I saw code for the first time in my first year, which was a difficult adjustment and hard work.

What course did you study and where?

I completed a BSC in Computer Science at the University of Pretoria.

What was the first project you were given at BBD?

The first project I got when I joined the Acturis team was to develop a tool that allowed our client to compare changes in files that were changed frequently before they were merged to production or pre-production. This was to make the process of seeing changes easier and allow the process to move quicker. It was an exciting project in which we got our hands dirty with C++.

Where do you see yourself in 3-6 years?

That is a tough one to answer. I would like to work on more complex stuff, but we can already do that as we have the freedom to try new things. I would like to see myself learning even more, making a bigger impact in the team and company. I would say being a team leader is a good goal at the moment.

What was your first impression of BBD?

At first I was sceptical about working on a finance focused team like Acturis or any bank, I thought it would be boring. Man, was I wrong. I am happy I joined the Acturis team.



Evashan

How did you join BBD's graduate Program?

I joined the graduate programme through BDD's bursary scheme in the year 2013.

Why did you study software development?

I wanted street cred:). I always had a knack for computers and I figured, why not study something you enjoy working with?

What course did you study and where?

I started my undergraduate life by studying Computer Engineering at UKZN-Howard Campus. That wasn't nearly as interesting, so I changed my path to Computer Science at UKZN-Westville Campus. Then I decided I needed a change in scenery (the beach wasn't cutting it) so I left to study my Honours in Computer Science at the University of Johannesburg.

What was the first project you were given at BBD?

I was assigned to work on the Acturis project, with C++ development on the core team. I have not had a lot of experience with C++ as a language, but with the help and support of the most awesome team in BBD, I am getting to grips with this language.

Where do you see yourself in 3-6 years?

Well for one, the graduate handle off my title would be nice! I hope that I can work with more diverse projects and grow in the company, and of course, with my own coffee machine at my desk. #goals

What was your first impression of BBD?

That employees are really friendly, willing to help and everyone is seen as equals no matter the designation, which is really cool.



WHAT WE OFFER

BBD's **Bursary Programme** is aimed at providing support for talented IT students in selected fields of Information Technology (IT) who are considering a career in software development. BBD contributes to certain costs associated with university studies such as tuition fees, prescribed books, residence accommodation & meals, along with a monthly allowance for incidentals.

BBD offers positions in the **Graduate Programme** & successful candidates will be employed full time by BBD. This programme is designed to provide accelerated training to graduates in order to be integrated into our business. Successful candidates will be exposed to project work & mentorship, ensuring a great start to their IT careers.

BBD offers positions in the **Learnership Programme** which is run on an on-going basis. This programme is a work based learning programme that runs over a 12 month period. It combines a structured learning component with practical work experience that is acquired while on the programme. Learners receive a monthly stipend & upon completion of this programme, a nationally recognised IT qualification.

ABOUT YOU

- A South African citizen studying or qualified at a South African university
 - Passionate about creating & building software
- Studying or qualified in Computer Science, Software & Computer Engineering, Informatics or any related IT fields with a minimum academic average of 65%
 - Skilled in terms of written & verbal communication

THINGS WE'LL NEED

- Certified ID Document
 - CV
- Most recent academic results

MACHINES WORK PEOPLE THINK









As part of the 2016 Graduate programme the BBD Grads visited the BBD India office and surroundings and this is what they had to say:

There are many ways to describe India, although I don't think words can truly explain the experience of being there. The food is exquisite, flavoursome and warm – rich spices infuse each bite with intense flavours and nothing tastes the same, although everything is delicious.



Every evening brought with it the delights of new flavours and foods and BBD ensured that we had a real taste of India throughout the trip. Driving in traffic and experiencing the madness of the Indian roads was terrifying and exhilarating: we were not one meter outside of the airport when we pulled away straight into another car. Traffic seemed to be a dynamic body of hoots, flashing headlights and manoeuvres to get the immense population to its destination; at times, I had the feeling that we could veer in any direction and the traffic would simply move like a large body to accommodate us.

Culturally, India was magnificent. Five thousand years of conquering armies lead by the Greeks, the great Mughal emperors, the Khans, and even the British had created a truly unique, immensely rich culture, and a history that spanned every corner of India. Landing late in Delhi, coming from the



hotel as the sun was setting, we rushed to the light show at the Red Fort, running through air thick with heat, past speeding traffic, past a festival to Ganesh with fireworks and loud music, through the gate of the Red Fort, running on the same ground that the great conquerors had walked, past sleeping stray dogs eating leftover naan. As we reached the light show the sun was just about set and the sky was painted deep shades of red, while an Indian narrator's voice echoed across the Fort telling us the story of India's great history with the aid of coloured lights and speakers scattered throughout the fort, moving from scene to scene. The Red Fort lightshow was brilliant and one of my fondest memories of our trip.

Henrick



Before leaving for India people told me that there are no words to describe it... This much is true! The trip was an experience of a life time. Everything, from trying to work from a remote location to driving in traffic so advanced that they use eco location to drive (because let's be honest there can be no other reason to use a car's horn that often), was an amazing experience.

Louis

The trip was a great learning experience, not only with regards to how people work and communicate remotely, but to see how people from a different culture live and go about their daily routine. This trip, when we were not working, also served as a team building for the grads as we learnt a lot about each other and got to experience a new country together.

Evanshan

The thing that fascinated me the most about India was the traffic and how it just somehow manages to flow without any major accidents. That said, when we first arrived our taxi driver got into an accident as we pulled away from the airport. The trip itself was an amazing adventure with lots of laughs and I have grown closer to everyone there, including the BBD India team.

Iddo-Imry

The Grads India trip was amazing to say the least. It was a great opportunity to get to know each other, not just on a professional level but personal too through socializing outside the work environment. We had the opportunity to explore a tiny bit of India in Pune and Delhi during the trip and visited a few temples, markets and other historical buildings like the Red Fort in Delhi. It was great to learn more about a different culture, their history, food and traditions. We experienced what it is like to work remotely and the challenges involved like the time difference and how important good and clear communication is. The India trip was really a great experience and to get such an opportunity from the company you work for is truly a blessing.

Pieter

India is an experience to be had, even more so experiencing it with your esteemed colleagues. The exuberance of cultural exposure leaves a sense of awe and appreciation. Awe, since no one can really explain how the spice isn't hot but it's incredibly "spicy". Awe, because you would never have thought a family of five can fit on such a small motorbike. Awe, at how fast a tuk-tuk can drive when the driver is under pressure to beat his mates to the hotel. Yet, when the return journey starts, you feel such appreciation when the flight hostess says "Dumela" and offers you a steak.

Werner

The trip to India was an adventure for me. It all started when we left SA, first time flying at 40,000 feet. It was exciting and scary but it was nothing for the "Marshmallow". Being in India was breath-taking and spending time with the guys was the best. Witnessing the ancient architecture and culture in Delhi was astonishing. One thing I don't miss was the sleepless nights because of the time difference – being on India time was not pap and vleis. Thanks to BBD for such an amazing opportunity.

Mamelo



WE AREJULIAN

If you are interested in joining the BEST software engineers at SA's largest bespoke software

development company, email recruitment@bbd.co.za now!

LOOKING FOR

C# developers Java developers JavaScript developers Mobile developers C++ developers Business Analysts Test Analysts

Projects in all the latest technologies Work across all major industries Mentorship & personal growth Company sponsored certification & external training Partnerships with major international & local software organisations Regular internal training courses Internal R&D department Free vending machines The top software development employer in SA to have on your CV A casual & fun culture Reward programmes

·Jhb ·Pła ·Cpł ·India





This year a few of BBD's Acturis team attended rAge expo which is South Africa's biggest annual video gaming, computer, technology and geek culture exhibition.

Over the course of the weekend, tens of thousands of enthusiastic fans descend on the venue for three days of gaming, technology, gadgets, and geek lifestyle entertainment.

You can buy new games and consoles, chat with local comic book artists or take selfies with your favourite cosplayers. The show is a glimpse into the future and it has always been about trying out new things and getting some hands-on time before you make your purchasing decisions. Many call it the event of the year, where you can escape your reality for a single day or even the whole weekend. Sound like fun? rAge will sledgehammer your heart and ignite your imagination!

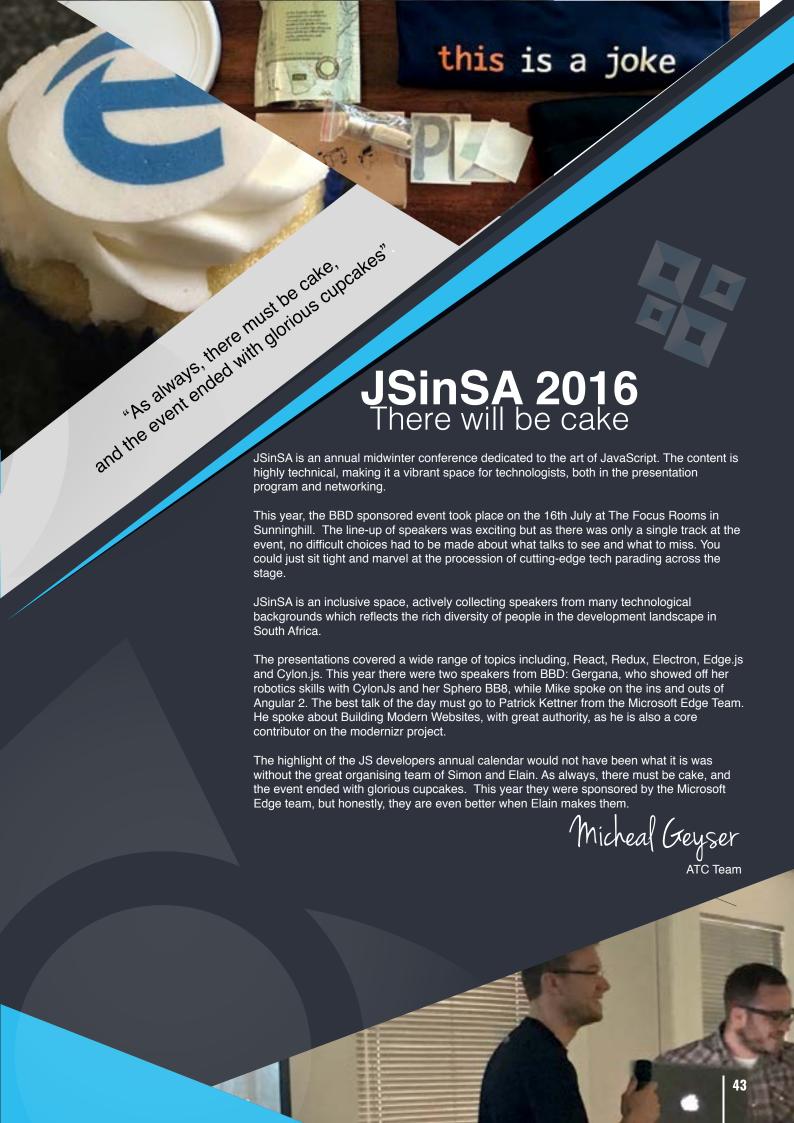
rAge provides a platform to touch and feel, try and experiment. It is the place to go each year to see all the latest goodies presented in an accessible way and be surrounded by people who all share the same passion.

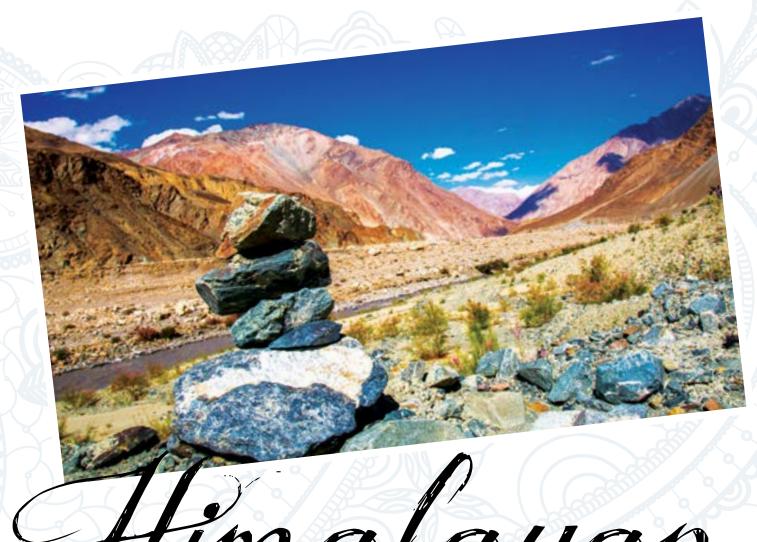












Himalayan ADVENTURES







It seems really easy when you plan it.

Fly to Delhi, climb on a motorbike then ride around the mountains for two weeks. But then you land in Delhi and it's 40 degrees, the bike you're given breaks down every few hours, Indian truck drivers don't really get the concept of not overtaking when there are oncoming vehicles and the mountains are the Himalayas.

Then it's not quite as easy as you thought.

Whatever the difficulties, it was one of the best holidays I've had. It's the Himalayas after all. I don't think the photographs can even truly express the vastness, the scale and the beauty of the mountains and valleys that we rode through.

Once you've gone over your first 5000 meter mountain road the rest is a breeze. The lack of oxygen makes your fingers numb and your brain stops working, but the views are incredible and there is always a cup of hot chai waiting for you at the top.

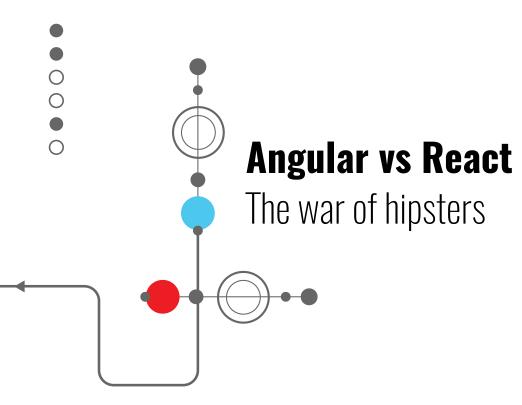
Dodging the oncoming petrol tankers becomes a bit of a game and you learn to use your hooter like a real Indian driver.

I hope these photos inspire you to take the trip of your dreams one day!

Donald Massyn

I don't think the photographs can even truly express the vastness, the scale and the beauty of the mountains and valleys that we rode through.





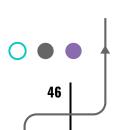
A war is being fought in the hearts and minds of web developers over the next-generation single page application (SPA) frameworks. This conflict is less one of feature set and more of style and aesthetic. There are numerous minor players in this conflict, but two real contenders have stepped to the fore and they are two of the biggest on the web – Google and Facebook.

Google was ostensibly first in this space, with their wildly popular AngularJS framework. Thinking that they would consolidate their influence, they've spent the last three years crafting a true next-generation framework in Angular 2. It would leverage off modern component based design to improve their architecture, use TypeScript for tooling and future-proofing, provide the ability to run outside of a browser process and ahead-of-time compilation foremost among many features. While it was a significant departure from the style of Angular 1, they took their time to craft a truly impressive framework.

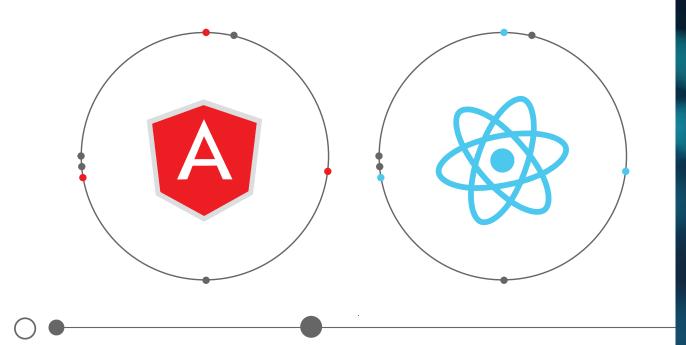
Three years is a lifetime on the web and Facebook prescribes to a different school of thought. React had already been released by the time Google announced the rewrite, but it was a really good component-based UI framework – in no way as feature rich as angular. Then came flux as a pattern, redux as a framework, babel for transpiling, react-native, relay and flow for type checking. The procession of complementary technologies continues at an implacable pace. React is still just a UI framework, but is surrounded by such a wealth of supporting libraries that make it more than just another contender.

This war is far from over and knowing the way-of-the-web, there will likely be more contenders rising to the top soon. In our context, the recommended choice is between these two best-of-breed frameworks. They're both similar in their breadth of functionality and learning curve, but very different in their aesthetics and style. The key takeaway is likely that Angular 2 supports a more object-oriented style whereas react encourages a more functional approach.









Angular 2

React

TypeScript

Babel

Ahead-Of-Time Compilation

JSX virtual DOM

TypeScript language service

Flow

Composable, Object-oriented

Flux, Functional

NativeScript

React Native











SG Wealth approached BBD in June this year to assist with a compliance project which was due by the 1st of October. An extremely ambitious and challenging task to be sure...but as BBD'ers do, the team got stuck in and started eating this enormous elephant byte by byte (pun

The team managed to successfully deliver the 1st phase of the project on 1st October. PSG was very appreciative of this achievement and BBD has subsequently been awarded more work to rewrite some of their core investment management and quoting systems.

PSG gave us carte blanche with the technology choice for the Quoting System rewrite, and we elected to implement an Angular 2, ASP.Net WebAPI talking to SQL Server via Dapper.

BBD will also be assisting PSG with streamlining their test, build, UAT -and production environments, as well as introducing delivery mechanisms and processes to achieve the majesty that is continuous integration.

Jacques Du Plessis
PSG Team

TD BANK TEAM

















he Standard Bank Unit as we know it today started in 2011 and although we had previously done work with SBSA, we had always struggled to grow SBSA into a large substantial client. In 2011 Gus and I went along to a new business meeting and after some tough negotiations we managed to get a foot in the door. The account has since grown to have more than 55 staff members who work across 5 different locations throughout Johannesburg, and let's not forget the 2 developers in our BBD India office as well.

If you bank with Standard Bank as either a personal or business client, you are probably using some of the software we have developed as we are heavily involved with the digital transformation of many of the client facing platforms. We also work on various back-end systems related to regulatory, compliance, performance and

The banking environment is a tough and complex place, but despite this we have been able to deliver quality solutions and have built up an excellent reputation of having highly skilled people bringing the BBD culture into the mix & getting projects done no matter what it takes.

Matthew Barnard

Standard Bank 6,660 @Standard Bank



ODACOM TEAM







he BBD VSP team has the essential blend of gifted, skilled and solution driven individuals working in the Online and CRM space for Vodacom SA. The BBD compliment of more than 120 South African and Indian based team members serves the largest communications company in South Africa with a member base of 34 million. The distributed BBD teams have to work with a combination of legacy systems as well as leading edge technologies to develop, deliver and maintain world class solutions, not just for Vodacom South Africa, but expanding its Online services to a number of Southern African countries.

Every time you access vodacom.co.za, open your Vodacom App, call the call centre or go to any one of the Vodacom outlets in South Africa, you can be assured that behind that service is a BBD team working hard to ensure that the relevant systems are fulfilling your request in the best possible manner.

a Gradacom Chobd Ovodacom Chobd Ovodacom

THE ENVIROMENTAL POLICY



BBD is in the business of providing global software development solutions and ICT (Information and Communication Technology)

Services. We recognise that our business operations may have an impact on the environment and therefore we are firmly committed to continuously minimising and enhancing the environmental impact of our business practices. We strive to develop, promote and implement software solutions and services that assist in reducing carbon and ecological footprints and continue to set targets for ongoing improvement.

Adopting the '3R' philosophy of Reducing, Reusing and Recycling for all types of wastes, by implementing the use of recycle bins, using electronic modes of delivery and seeking to improve the lifespan of all our products.

Actively educating, promoting & communicating the environmental policy internally among employees and continuously encouraging it through reminders between our divisions.

Minimising the environmental impact of electricity usage. BBD encourages and prefers eco-friendly products that are more power efficient. Using compact fluorescent light bulbs and recycling them as well as unplugging unused appliances, which contributes to the ongoing improvement.

Working with and purchasing products from suppliers that recycle and reutilise packaging material to reduce costs and environmental impact for both companies. Encouraging and preferring clients / partners that instil environmental policies and offer them the most energy efficient and globally sustainable options through our software and services.

Continuous public reporting of efficient environmental performance through company newsletters, emails, brochures and on our website for all to see.



CHOUT OF OUT

Send us any news or info that you would like to share with the rest of the business to communications@bbd.co.za







BBD IS PROUD OF THE ROLE WE PLAYED WORKING WITH THE IEC AND OUR KEY STRATEGIC PARTNER PWC.



BBD represented by Anneke, Refilwe, Dobson and Tiaan participated in the hard preparatory work as well as delivery of the 2016 Local Government Elections (LGE). We are proud of the role we played working with the IEC (Independent Electoral Commission) and our key strategic partner PwC (PriceWaterhouse Coopers).

Anneke and Tiaan were part of the team that was responsible for delivering the Online Candidate Nomination System. This was the first time an online system was used by political parties to nominate and submit their candidates to the IEC. Their roles also included delivering system training to IEC provincial officers in the Free State, Western Cape, Kwazulu-Natal, Limpopo and Gauteng. Anneke was assigned to the National Elections Results Operations Centre to provide assistance to the IEC staff and political parties, whilst Tiaan provided technical support to the Gauteng Provincial Elections Results Centre during voting and counting of votes.

Refilwe was part of the team that was responsible for enhancing the Results System and later assigned to provide technical support to the Limpopo Provincial Elections Results Centre during voting and counting of votes. The Results System is used for results capturing, results auditing, seat calculation and allocation, reporting and publishing of results as they are counted until completion.

Dobson, part of the mobile application team, was responsible for revamping the IEC Mobile App. The mobile application provides interactive functionality and information relating to where a voter is registered, names of councillors contesting elections in a particular ward as well as results per ward, municipality and province. He was given the responsibility to work on the Dashboard Results System used to show results and seat allocation at Elections Results Centres across 9 provinces. Dobson was also assigned to provide technical support to the North West Provincial Elections Results Centre.

Both Sphere and BBD representatives visited the National Elections Results Centre during vote counting to show their support to the IEC.





Java One 4



When the JavaOne 2016 Call for Proposals went out this year I decided to submit two talks and see what happens. To my delight and surprise, one of my proposals was accepted. San Francisco, here I come!

After securing my US Visa I was almost all set to go. I just had to complete all my admin tasks on the Oracle Speaker Portal. This is a website whose authors, which if we are completely honest with each other, can also benefit from attending JavaOne and picking up a couple of extra skills (in my humble opinion).

So on Friday the 16th of September I started my epic journey by first flying to London and then getting a direct connecting flight to San Francisco. That's two back-to-back flights of around 11 hours each!

I arrived around lunchtime on the Saturday having gained some hours due to the 9-hour time difference. In my delirious post "intercontinental travel" state I managed to grab an Uber to my Airbnb and was shown around by my gracious host before he quickly got out of my way.

The conference started on the Sunday with all the big keynotes.

The first speaker of the Java Keynote, and therefore the official opener of JavaOne was Sharat Chander, the Director Java Product Management. He talked about all the beautiful and magnificent things that JavaOne was capable of and presented two new web portals: One for Java developers (go.java) and the other one concerning all the developer resources for Oracle products (developer.oracle.com).

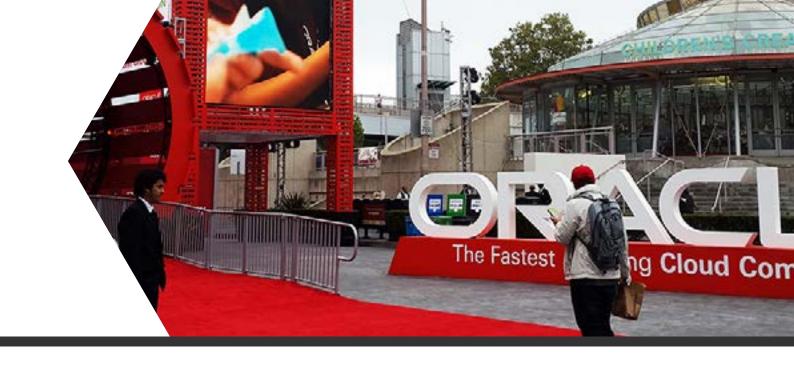
In the so-called "Visionary Keynote" Dr. Anita Sengupta, from NASA's Jet Propulsion Laboratory, did a fascinating talk about how they designed the systems to safely land the Curiosity Rover on Mars. The only odd bit about it all was that she didn't reference Java once in 40 minutes and everyone was left puzzled as to Java's role in the Mars missions.

Mark Rheinhold, the Chief Java Architect at Oracle mostly talked around Java 9 and what we can expect. Some really cool things happening around Project Jigsaw. He also showed a gargantuan list of all the changes in JDK 9, but take note that most of these are evolutionary rather than revolutionary. Furthermore, he demonstrated some live coding with JShell, the new Java REPL in Java 9.

After that it was Brian Goetz on the podium, Java Language Architect. He spoke about the Valhalla (Value Typed and Specialized Generics) and Panama (Foreign Function Interface and Data Layout Control) projects. He announced that Java is going to support Default Implementations for POJOs. Thus it's possible to write a fully implemented class with just public class Point (int, int y) {}.

Constructors, Getters, Setters, Equals and Hashcode methods will be generated automatically and can be overwritten if necessary. He also mentioned that they are working on type inference by introducing a var keyword to the language.

Finally, Anil Gaur talked around what was happening with JEE ecosystem after all the controversy of the past year (see JEE Guardians). JEE 8 will be released by the end of 2017 and from proposed JSRs it seemed like they will be embracing microservices and containers. He also mention some new JSRs for HTTP/2, Config, State management, Eventual Consistency, Multi-tenancy, OAuth and OpenID Connect. He emphasized how they will involve the community in the process. Most of what they are proposing is already available in other libraries and platforms and running successfully in production.



My presentation was entitled 'Tools for Developers Who Can't Automate Good And Wanna Learn To Do Other Stuff Good Too' (with apologies to Derek Zoolander) [BOF1430]

The official JavaOne Session Catalog had this to say about it:

"Everyone is talking about DevOps and automation these days, but how do you make it work for you? This session's speaker shows how his organization used tools such as Docker, Docker Compose, Ansible, and Jenkins to automate everything from its local development servers all the way to production."

To make things a bit easier on me, I had already presented this particular talk at the I Code Java (http://j-sa.co/) conference in Joburg. By the way, if you are a Java developer and haven't heard of this conference, I can wholeheartedly recommend it.

I was pleasantly surprised that nearly 200 people showed up to hear my talk during what would be dinnertime for most people after a long day of attending conference sessions. After a bit of drama with the sound engineer being missing in action, I quickly managed to hit my stride and the rest of the presentation and accompanying demos went by without a hitch. Directly afterwards and in the following days a number of people came up to me with questions and mentioned how much they enjoyed my talk. This really made up for all the stress and admin leading up to the event.

After that I could relax and get stuck into the other conference sessions. Microservices were on everybody's lips and I attended a number of really interesting talks including the following:

Microservices with Kubernetes, Docker, and Jenkins [CON8016] Architecting for Failures in Microservices: Patterns and Lessons Learned [CON1802] Game On! Exploring Microservices with a Text-Based Adventure Game [CON1559]

The list goes on and on and on. All in all there were about 460 conference sessions at JavaOne. Sessions ran from 8h30 to 20h45, so you can really milk the day and try and collect as much knowledge as possible. It's extremely tricky to pick one

when there are about 5 in the same time slot which are all equally interesting.

Conference sessions were mostly hosted at the Union Square Hilton and Parc 55 with a quick walk on the city streets between them. In between conference sessions you could also go hang out at the massive exhibition hall and rub shoulders with guys from Hazelcast, Dynatrace, JFrog, Red Hat and Pivotal to name a few.

Duke's Café is an open-air affair and stretches for a whole block behind the Hilton - the street has been cordoned off. It's a great place to mingle, eat, drink, and maybe do some hacking. They had entertainment in the evenings, among them the NullPointers Java Community band playing a set. The yummy conference lunches could also be obtained here, provided you had a ticket for them, conveniently located in your lanyard.

On Wednesday evening Oracle hosted an appreciation event at AT&T park, home of the San Francisco giants. This was free for all JavaOne and Oracle Openworld attendees. Sting and Gwen Stefani were lined up to play at the event. Unfortunately, I can't give first hand feedback on this as I have tinnitus and try to steer clear of loud music events. However, I did go and see what the ball park looked like from the inside before the music started in earnest.

All in all, it's an amazing event. The sheer amount of battle tested knowledge that you can obtain is priceless. It saves you from making a lot of design and architecture mistakes yourself as someone has already made them on your behalf and are eager to impart their knowledge. I would definitely recommend making the pilgrimage at least once in your career. Be warned though, it's extremely expensive and your body really takes a pounding in getting there and back, but ultimately it's worth it.

Rudoff Visagie





The kids Banking app idea all started as a staff hackathon in which Standard Bank employees encouraged to come up with fresh ideas for new banking initiatives within the bank.





his idea matured, grew some animated characters and ended up in my lap about one year ago. It was at this point that my team and I feverishly started this chaotic journey to deliver the Kids Banking application in record time. Needless to say the timelines never worked out, but what we have after a year is something to be very proud of. "A career highlight" as some people in my team have put it and it's extremely satisfying for me to have lead one of the most strategic projects in the bank.

The app, which is available for Android, smartphones and tablets as well as Apple's iPhone and iPad, is meant to help parents educate their children about earning, saving and spending money. An example of this is the Leopard character which encourages kids to complete "missions" or chores assigned by parents, such as tidying their rooms or watering the plants in order to earn money. Parents can teach children to earn money by paying money into the app when allocated tasks

are completed.

From a marketing perspective, it's all about brand affinity from a young age, which will be a massive win for them if Standard Bank is known as an organization that is able to provide value to this banking segment.

Thank you to all the BBO staff that were in my team to help me on this incredible journey to deliver a first of its kind app in SA



Scan this QR Code to dowload the app and find out more!





Staying

Acceleration meets determination..

Theo completes his 10th 947 Cycle Challenge!!





In the beginning of the year I am always eager and committed to this challenge, knowing that I will need to start training at some point.. During the winter season, I give training a back seat and normally Spring triggers the start of my training.

This year though I found myself NOT training as much as previous years due to a busy work schedule and just being lazy - this is a problem. A month before the event I realised that I'm running out of time and need to do something - getting on the bike sounds like a good idea. With Derick Oosthuizen as my cycling buddy, we hit the road in the mornings to get time in the saddle and miles on our legs. We don't really have a specific training plan we just go with what we think, basing this on experience of course. Training also includes some days in the gym on the WattBike - pedalling fast and going nowhere - except with the vision of the finish line on race day - 20 November.

Race day: It was an early night and an even earlier morning as my start time was 6:46AM. I had to be there an hour before to get parking and to get into my starting block - it was going to be a long day but I knew I could do it!

In the end it was a great day of riding. The route had a minor change which included Kyalami Race track which was fun. I completed the event in a time of 3 hours and 21 minutes.









Our adventure began early Saturday morning as we drove to beautiful Tulbagh for our day of Survivor challenges. Tea & muffins followed by challenges, lunch, more challenges and then drinks. Nothing bonds a team more than lots of laughter, competitive shouting, swearing, congratulating, good food and of course – drinks to seal the deal.

The Ice Breaker challenge

Aim of the Challenge: Stand in a circle & keep "execution" flowing with a combo of hand signals and lame sounds like "foo". Execution passes to the person where the hands are pointing but the sounds have to be sequential. Make a mistake and you are eliminated. Last man standing is the "master" and gets to choose a team mate to be his/her "slave" for the day. Slave must obey master's orders all day. As the Scrum Master on our team, I knew I was in for the slave title if I didn't win!!

Gari won and as "Master" he decided to come up with a "fair" way of choosing a slave.

Gari: "eeny-meeny-miny-mo;eeny-meeny-miny-mo CHARLENE – you are my slave"

Moral lesson: Always treat people with respect as you never know when you will become their "slave".

Charades Challenge

Aim of the Challenge: Act out a word or phrase without speaking, and your partner has to guess what it is.

Needless to say, watching Dirk act out the "Wakka Wakka" was highly entertaining. Acting out "Eskom" produced lots of swearing & "Global Economic Recession" created lots of shouting about money, gambling, being broke, travelling the world etc. It was great fun and Dirk & Gari took the win.

Lesson learned: People think differently and approach the exact same issue from completely different angles. Always try see things from other people's perspectives.

Brick Holding Challenge

Aim of the Challenge: Hold a brick with a straight arm above a rope for as long as possible, when your arm touches the rope or you drop the brick, your timer stops. William and Jose aced this one.

Lesson learned: Coding all day destroys body-builder potential.

Rope Walking Challenge

Aim of the Challenge: Work in pairs and lean on each other to balance your way across the rope walking obstacle course. Although our development skills are top notch, mine and Gerhard's balancing skills left much to be desired! The other

teams were putting us to shame! After falling off at least 5 times before moving more than a meter and just when our coach said "you guys have lost" – I proclaimed "No way— we WILL do this no matter how many times we fall (#wemustntfall)". So we tried again and again...and again. With bodies shaking and aching – we eventually completed the rope challenge obstacle course with a smile. Although we failed miserably the coach awarded us the winning points due to not giving up...much to the disagreement of the rest of the team (ha-ha-ha-ha).

Lesson learned: Always persevere and never give up.

Obstacle Course

Aim of the Challenge: Complete a difficult obstacle course of rope balancing, log hopping, rope climbing, etc. We were not told if we did not work as a team, this task would be impossible to complete. After much analysis, problem solving, failures and re-starts, we eventually clicked that this is not doable without leaning on each other completely.

Lesson learned: Some things cannot be completed independently, and working as a team makes all the difference.

Pole Lowering Challenge

Aim of the Challenge: Everyone places 2 fingers on a thin metal pole they then need to lower the pole to the ground at the same time, without anyone's fingers leaving the pole. This seems simple right? Wow was it hard...we all tried to lower the pole except the pole kept going up! We were confused.

the pole, except the pole kept going up! We were confused. We realized that we were focusing more on keeping our fingers on the pole, than the end goal of moving down and if just one person loses focus on the goal of "lowering" then the rest of the team are affected and the pole goes in the wrong direction. Lesson learned: There are many ways to do something, lets respect each other and try each other's methods even when we think it won't work. Then let us all focus and give 100% to the current method and goal.

Closing statement: What a privilege it is to work with such a fantastic team that clearly displays vibrant camaraderie.









Charlene Cooke SANLAM TEAM

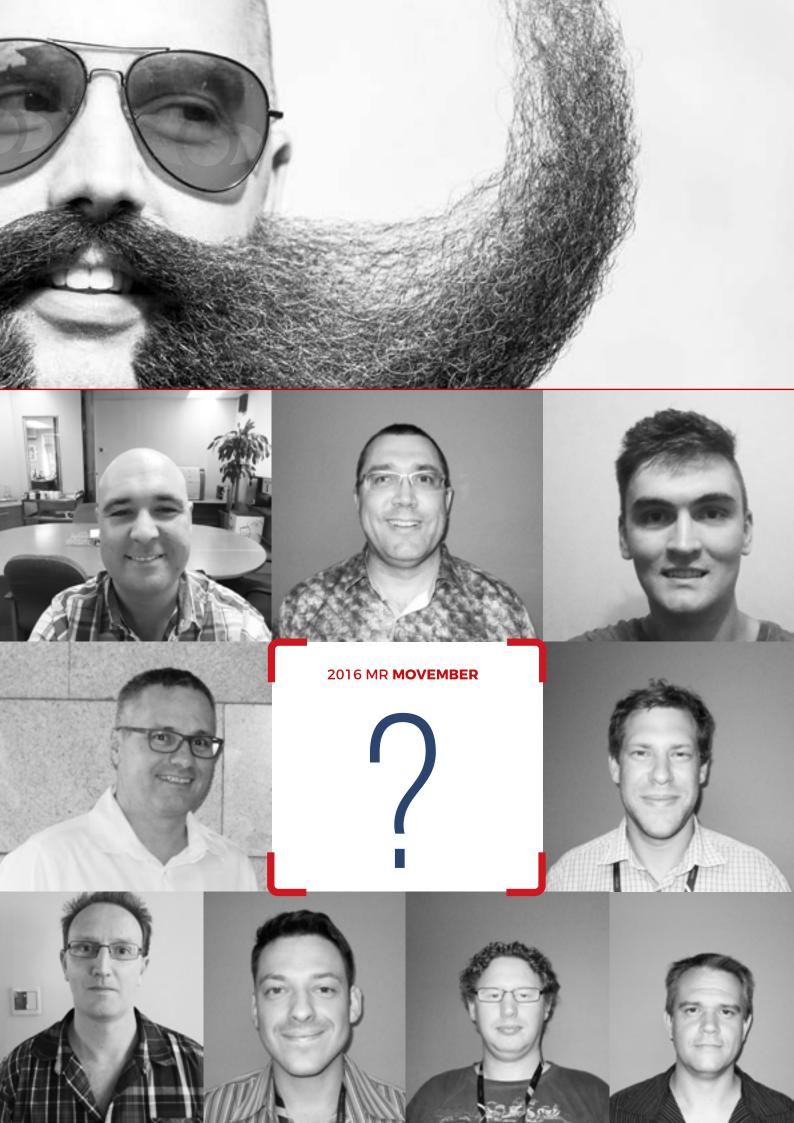


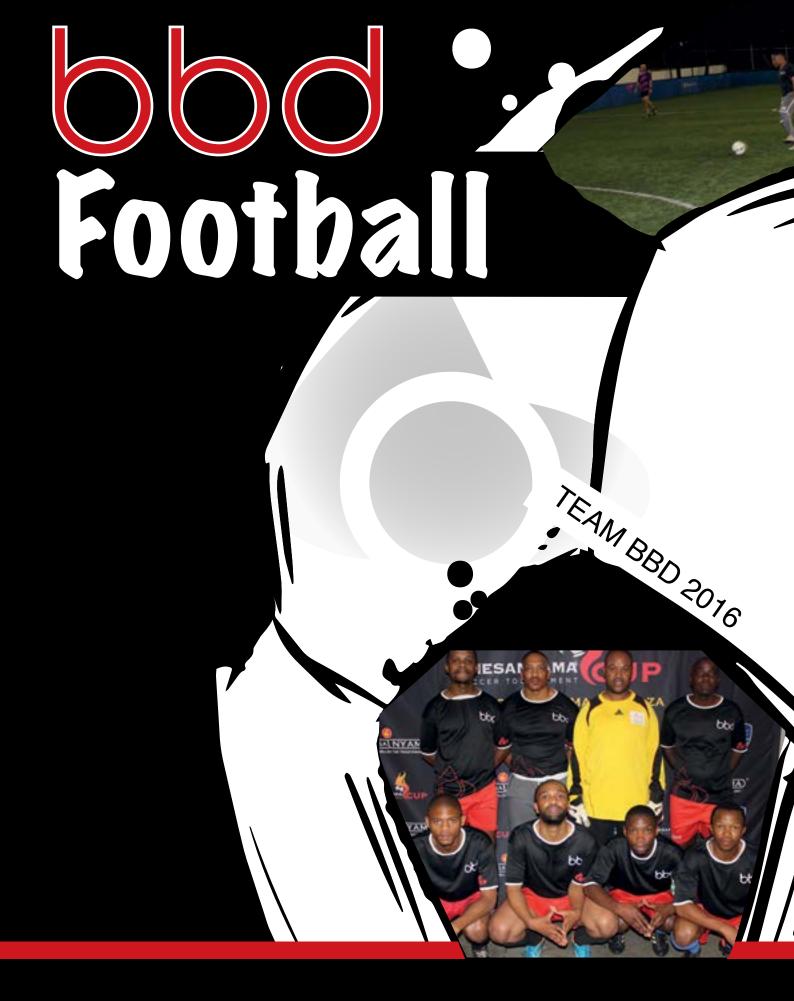


Welcome to Movember, the month where all your male friends and co-workers show up clean-shaven and baby-faced on 1st November and look like western-movie villains or grizzly bears by 30th November.

Growing out one's 'staches for 30 days is called "Movember" or "No-Shave November," and it's meant to raise awareness for testicular and prostate cancer. It's also a chance for dudes to show off their 'staches, goatees, Fu Manchus, mutton chops and other furry face-warmers.







"We are determined to fight to stay in the league and run





for contending accolades in the coming season."





Vanilla

The ancient Totonac Indians of Mexico were the first to learn to use the fruit of the Tlilxochitl vine, vanilla pods. After their defeat by the Aztecs, they were forced to relinquish control of the exotic fruit.

Research has shown Vanilla to have the following health benefits:

Antioxidant, Antibacterial, Antidepressant, Anticancer, Anti-inflammatory.

- Vanilla is the only fruit-bearing member of the orchid family.
- The flower that produces the vanilla bean lasts only one day. The beans are hand-picked and then cured, wrapped, and dried in a process that takes 4 to 6 months.
- After saffron, vanilla is the most expensive spice in the world.
- In Europe, vanilla was once used in the production of certain medicines such as nerve stimulants and as an aphrodisiac.



Cocoa

According to the best estimates of archaeologists, either the ancient Olmec, or the Maya, whose civilization flourished from the Yucatan Peninsula to the Pacific coast of Guatemala, are believed to have cultivated the cacao tree for the very first time around 1000 B.C.

Research has shown Cocoa to have the following health benefits:

Lower Blood Pressure, Relaxation Effect, Improves Blood Flow, Antioxidant, Lowers Cholesterol

- At one point the Nazis plotted to assassinate Winston Churchill with an exploding bar of chocolate.
- 2. The scientific name for the tree that chocolate comes from, Theobroma cacao, means "food of the gods."
- It takes a almost a full year for a cocoa tree to produce enough pods to make 10 standard-sized Cadbury's bars.
- 4. Chocolate has over 600 flavour compounds, while red wine has just 200.



Top Producing Countries

Vanilla

Rank / Country / Tonnes P/A

1 - Indonesia 3,200

2 - Madagascar 3,1003 - Mexico 463

4 - New Guinea 433



Cocoa

Rank / Country / Tonnes P/A

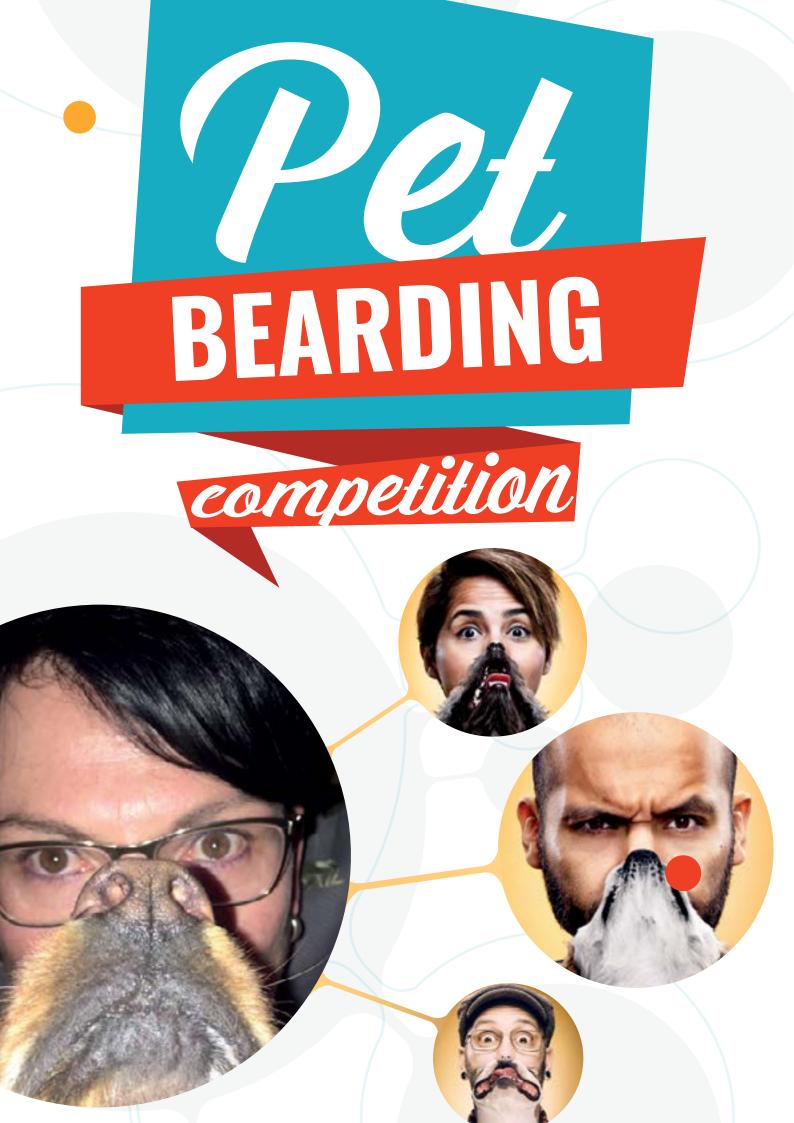
1 - Cote d'Ivoire 1,448,992

2 - Ghana 835,466

4 - Nigeria 367,000

3 - Indonesia

777,500

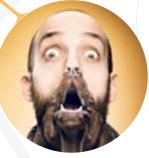


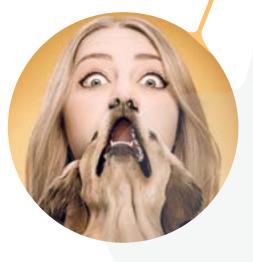
All you have to do is take a photo of yourself using your pets nose, chin and mouth to make it look like you have a beard and send it through to communications@bbd.co.za

The best photo will recieve a 3DOODLER 2.0 and a feature with their pet in the April 2017 BBD Bulletin!

Competition closes

1 March 2017



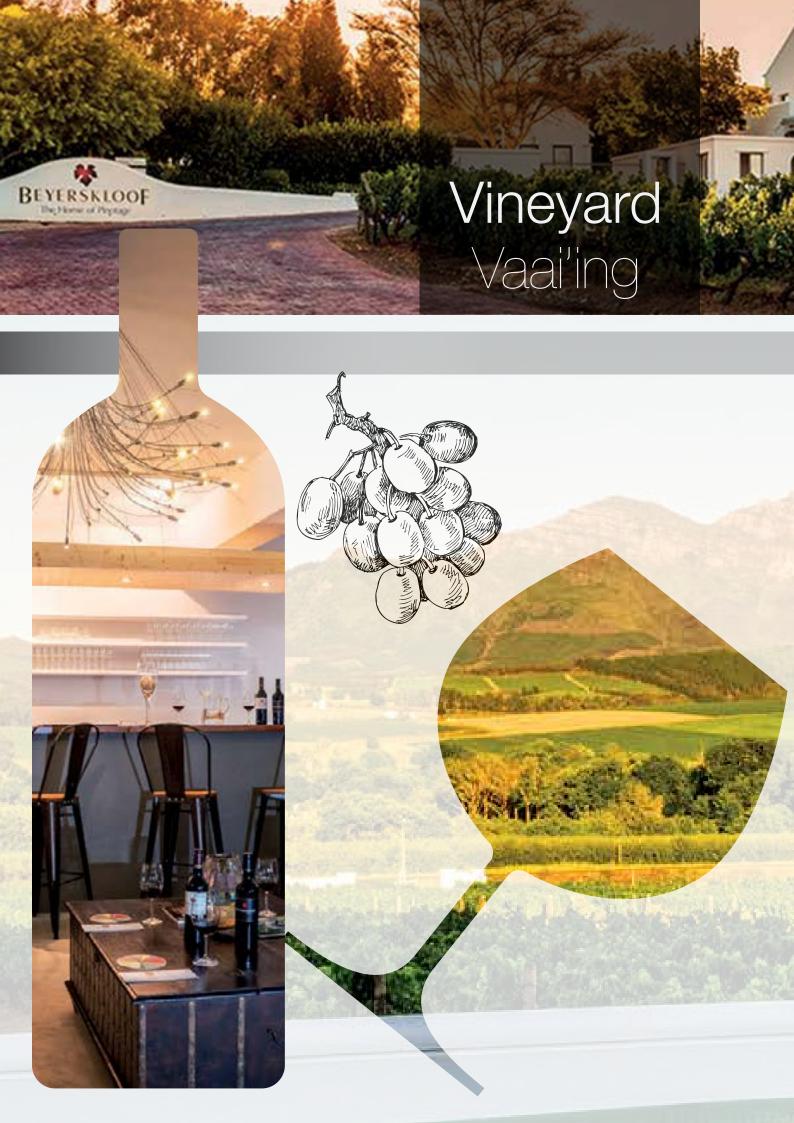






Win a 3 Doodler







After yet another successful release it was time to unwind again, and what better place than a famous Stellenbosch wine farm. We headed for lunch at Beyerskloof wine farm, and were welcomed by a bottle (or 3) of nice wine, followed by a selection of great meals to choose from. The wine theme continued with us having to choose between Pinotage Burgers, Sirloin with a Pinotage jus and Fillet sautéed in Pinotage brandy. So what Pinotage infused meal would you like to accompany the Pinotage you are drinking ... the choices are endless.

A bottle of special wine was obtained, albeit it under slightly controversial circumstances, as it was no longer available to the public. Bribery and pleading of the Bistro manager helped to secure it. Towards the end of our lunch, we were being harassed by what looked like a 35 year old Jack Russell who wanted in on the Pinotage meat selection. There was a stage where the Heimlich had to be performed on him when he was given a piece of Sirloin that his gums couldn't break up, but that is a whole different story.

Apparently where there are dogs there are toddlers wanting to play with them, and this was no exception. Luckily the Heimlich on the dog worked, or the little girl would never have been the same. The parents kept coming over to apologise for their little girl harassing us (we suspect she wanted some Pinotage meat too).

> It was cute at first, but it did get to the point where the team was a little annoyed by being bothered by celebrities while all we were trying to do was eat a relaxing meal. I mean c'mon Kurt Darren, give us some space next time, please.





PLEASE REMEMBER TO BE SAFE & RESPONSIBLE! Safe cabs Cab 4U

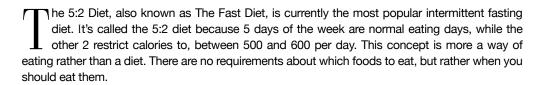
079 347 1218 073 037 9741

BBD // WE ARE SOCIAL









How to do the 5:2 Diet

For 5 days a week, you eat normally and don't have to think about restricting calories. On the other two days, you reduce your calorie intake to a quarter of your daily needs. Men may eat 600 calories (2,500 kj) on fasting days, and women 500 calories (2,100 kj). A typical fasting day may include a breakfast of 300 calories (1,300 kJ), such as two scrambled eggs with ham, water, green tea, or black coffee and a lunch or dinner of grilled fish or meat with vegetables, amounting to 300 calories. You can choose whichever 2 days of the week you prefer, as long as there is at least 1 non-fasting day in between.

Another alternative if you are able to is to fast from supper the night before to dinner the following day. This helps the body to go into ketosis - a state at which the body has an extremely high fatburning rate. Even the brain runs on fat, via ketone bodies. These are energy molecules in the blood (like blood sugar) which become fuel for our brains after being converted from fat by the liver.

A popular way of planning the week is to fast on Mondays and Thursdays, with 2 or 3 small meals, then eating normally for the rest of the week.

It's important to emphasise that eating "normally" does not mean you can eat just anything. If you splurge on junk food, then you probably won't lose any weight, and may even gain weight.

Bottom Line: The 5:2 diet should be very effective for weight loss, if done correctly. It may help reduce belly fat as well as help maintain muscle mass during weight loss, reduced insulin resistance and decrease inflammation. In addition to this the following benefits may also be seen with this concept:

- · Your cognitive function may be improved, which can prevent Alzheimer's and dementia
- · Fasting for short periods may help to give your digestive system a rest
- · Studies suggest it can increase ones lifespan
- It can reduce your risk of developing diseases such as type 2 diabetes
- · It may improve blood pressure, metabolic rate and insulin sensitivity

Reference Sites:

For more info on 5:2 see

www.authoritynutrition.com/the-5-2-diet-guide/















Insure'in it's Potjie Perfect



n the 23rd of September our client, Insure Group Managers, held a Potjiekos Competition and the BBD team was invited to take part to celebrate Heritage Day. We were divided into six teams and each had to cook a different type of potjie. There was oxtail, lamb, ostrich, chicken and vegetable. On the 2nd of September, each team had to present a team banner and hand in their recipe to the co-ordinator for approval. Insure provided all of the ingredients according to the recipe provided by each team. The competition began at 8am sharp and ended at 1pm, after which the judging began. The rules were pretty simple and judges visited the cooking area while the potjies were being prep'd & cooked.



THE RULES

- Potjies must be prepared from scratch
- Workstations must be clean and neat at all times
- Teams must work in shifts and have at least 2 people at the potjie at all times
- The potjie must feed between 15 to 20 people
- Each team must present a meal to the judges at 13:00

The judges awarded points according to team involvement, workstation, preparation, appearance, aroma, taste, and presentation. Things were hectic because people were nervous but as the day went on, things started to calm down. In the end, there could only be one winner.

The winning team for the day was team Volstruis having cooked an outstanding ostrich potjie. All of the other teams were tied in second place.

Overall it was a pretty cool day.

Lancelot Makumbila
Insure Team

A Day in the

Life of...

WHY DID YOU CHOOSE BBD?

BBD chose me! I was working at FNB Securities Division back in the day and was looking for an adventure...Luckily I found it at BBD!

HOW LONG HAVE YOU BEEN AT BBD AND WHAT ARE YOU RESPONSIBLE FOR?

Since 1988, leading the Admin team, which includes HR, accounts, travel and procurement.

WHAT IS YOUR FAVOURITE ASPECT ABOUT YOUR JOB AND WHAT DO YOU FIND THE MOST CHALLENGING?

It's all about the people I work with, each day is a different experience, I love having the freedom of being able to take on new challenges, the constant support that I get and the awesome culture. In terms of challenges – I challenge my limits!

HOW DO YOU LIKE TO SPEND YOUR WEEKENDS?

This is my special time of the week that I get to spend with my family

DO YOU HAVE ANY HOBBIES OR EXTRA MURAL ACTIVITIES?

I enjoy reading, travelling and attending any outdoor activities, wine and whisky tasting events are the best!

WHAT IS YOUR FAVOURITE MUSIC, FOOD, MOVIES, SERIES ETC?

I love everything about music, it nourishes my soul. In terms of food, fine dining experiences are my best with wine pairing, I love cooking and experimenting with different cuisines. I like all different kinds of movies and series but I'd say I mostly like watching thrillers.

IF YOU WON THE LOTTERY, WHAT IS THE FIRST THING YOU WOULD DO?

Keep quiet about it (to make sure no one was playing a cruel joke on me), then go out into this big world of ours and explore all of the best kept secret wonders of this world.



Ana O' Donoghue

Andre de Witt

WHY DID YOU CHOOSE BBD?

I worked as a business consultant at a global professional services company and after 16 years decided to take time off. During my career as business consultant I was fortunate enough to meet Ralf, Maxime and the BBD team implementing great solutions for SARS. After a week of fun in the sun and just as I was starting to enjoy my time off, I received a call from Maxime and as they say, the rest is history.

HOW LONG HAVE YOU BEEN AT BBD AND WHAT ARE YOU **RESPONSIBLE FOR?**

I joined BBD on the 1st of February 2012 on the SARS and DHA projects. Well, actually I started a week earlier, remember I was working with Maxime:). I'm now also working with a great team of professionals delivering real solutions to our clients and growing our business in the public sector, as well as the Pretoria region.

WHAT IS YOUR FAVOURITE ASPECT ABOUT YOUR JOB AND WHAT DO YOU FIND THE MOST CHALLENGING?

Delivering great working solutions to our clients and working with super smart people always looking for the next challenge and never giving up.

HOW DO YOU LIKE TO SPEND YOUR WEEKENDS?

Sometimes we don't really have a choice, especially when there are deadlines to meet or projects to deliver...but if I get to choose I spend my weekends outdoors with my family. We like spending time in the bush going on game drives and bush walks or just having a braai.

DO YOU HAVE ANY HOBBIES OR EXTRA MURAL ACTIVITIES?

Yes, doing some weekend farming, playing the odd game of golf and climbing hills on my mountain bike. I tried motorbikes, but ended up in ICU :(!

WHAT IS YOUR FAVOURITE MUSIC, FOOD, MOVIES, SERIES ETC?

Music: 80's Food: A good rib-eye steak Movies: The Sixth Sense, that's about the last time a watched a movie Series: I don't really watch TV, but enjoyed the Mentalist

IF YOU WON THE LOTTERY, WHAT IS THE FIRST THING YOU WOULD DO?

Watch a movie.



James Vodden

WHY DID YOU CHOOSE BBD?

BBD presented itself to me at a turning point in my life. Having just finished my Hons. Degree in Visual Communication, I was given the opportunity to join BBD and I took it with open arms. I had heard countless impressive stories about BBD from a Developer who has also had the privilege of calling the BBD family his own. So essentially it was a no brainer for me... I wanted to be part of the BBD story.

HOW LONG HAVE YOU BEEN AT BBD AND WHAT ARE YOU RESPONSIBLE FOR?

Almost a year and going strong...you will be able to find me in the PFC "glass-tank". My day consists of conceptualising, planning and producing different forms of communications in and around the BBD brand and assisting the business with any requirements they may have.

WHAT IS YOUR FAVOURITE ASPECT ABOUT YOUR JOB AND WHAT DO YOU FIND THE MOST CHALLENGING?

Being a "creative" offers many rewarding avenues on a day-to-day basis, but the thing that I appreciate most about my job has to be the constant evolution and change. This allows me to become more readily adaptive to any problem presented within my field.

HOW DO YOU LIKE TO SPEND YOUR WEEKENDS?

My weekends are spent with copious amounts of rest and relaxation. I enjoy experimenting with hydroponics where I am on a constant quest to produce a broad spectrum of exotic chilies - other than that I have recently become involved in a Sunday soccer ritual with a group of friends.

DO YOU HAVE ANY HOBBIES OR EXTRA MURAL ACTIVITIES?

I would like to say that I am a serial hobbyist. I often like to delve into different activities and do them as long as my attention span is willing to accommodate. Then I move swiftly on to the next endeavor – be it hiking, paintballing, longboarding or hydroponics, I am always searching for a pastime that will provide a change of scenery.

WHAT IS YOUR FAVOURITE MUSIC, FOOD, MOVIES, SERIES ETC?

Favorite music you ask? I don't think it's that simple... I don't want to present you with the cliché that "I listen to everything" because there are certainly genres of music I would categorize out of existence. For the most part I can appreciate music that has some depth in the way it makes me feel & think.

Favorite food... I will pretty much eat anything that is presented to me (on a plate or not) but if you had to hold a hypothetical gun to my head I would have say my ultimate comfort food is a grease coated Russian sausage, a packet of slap chips and a buttered Portuguese roll. This would be the sole reason I have taken up soccer as a past time – to counteract all of that cholesterol.

As for my favorite series... I am more of a podcast enthusiast than a series watcher. I enjoy listening to the Joe Rogan Experience Podcast. I feel that these podcasts provide two hours of conversation about topics that I probably knew nothing about prior to listening to them. 90% of this will probably be of no use to my existence, but 10% of the time I find absolute golden nuggets.

IF YOU WON THE LOTTERY, WHAT IS THE FIRST THING YOU WOULD DO?

This is a question that I have mulled over within my mind since the advent of me finding out there was such a thing as a lottery. My current answer to this would be to buy a one-way ticket to a remote location within the Alaskan wilderness, get me a log cabin (kitted out with all the survival essentials), a St. Bernard and a rocking chair and I would live out the rest of my life as a Mountain Man.



WHY DID YOU CHOOSE BBD?

BBD chose me:) I had taken a break from corporate life for a few years and when it was time to re-enter the working world, my friend Patricia Fakudze submitted my CV. I was interviewed and the rest as they say is history.

HOW LONG HAVE YOU BEEN AT BBD AND WHAT ARE YOU RESPONSIBLE FOR?

I started at BBD on the 18th of March 2013 assigned to the Nedbank unit as a Business Analyst. I started in my current position in 2014. I am the main interface to Nedbank for the Banking Platform application and am responsible for the delivery of project work as well as overseeing the production support team.

WHAT IS YOUR FAVOURITE ASPECT ABOUT YOUR JOB AND WHAT DO YOU FIND THE MOST CHALLENGING?

I am lucky to work with a really great team of individuals. We get along really well and there is always laughter or a joke to share no matter how challenging or difficult the work is. My biggest challenge is the daily managing of everyone's expectations.

HOW DO YOU LIKE TO SPEND YOUR WEEKENDS?

Weekends are family time. I am very much a home-body so I am almost always at home or playing tennis/soccer/cricket with my family. Ask my poor friends – I am not great at having a social life.

DO YOU HAVE ANY HOBBIES OR EXTRA MURAL ACTIVITIES?

I love to read and will devour almost any genre given enough time to do so. I get bored guite guickly so no hobby has ever lasted.

WHAT IS YOUR FAVOURITE MUSIC, FOOD, MOVIES, SERIES ETC?

I enjoy RnB, hip hop, soul. I am not really into watching TV but I enjoy shows like Power, Queen Sugar, Being Mary Jane, Game of Thrones. I haven't been to the movies in a long time as I usually fall asleep barely 10 minutes in. I love all food especially dessert.

IF YOU WON THE LOTTERY, WHAT IS THE FIRST THING YOU WOULD DO?

I believe that travel and exposure are great teachers so I'd probably splurge on a year-long trip discovering the African continent and the rest of the world for my family and I.



Nosipho Rakoma

After another very busy year for the Acturis team, it was time to break away from the office madness and venture off to Stonehenge, Parys.



Although we had our previous team building in the same area, we couldn't say no to this beautiful venue nestled in the heart of Parys. Roughly 1.5 hrs drive from Johannesburg, Stonehenge is situated on the banks of the Vaal River and boasts a large number of facilities & activities

Upon arrival, we were greeted with a hot buffet breakfast to fill our bellies and after a quick chow and some coffee, we headed off to our first set of activities: Abseiling & Archery! In order to fit everything into the first day and to make things more interesting and competitive, we split our team into 2 groups with one doing archery and the other abseiling. After being given a safety briefing, those with the abseiling group found themselves heading down the mountain over the edge of a drop in a very 'snug' harness, which proved to be more terrifying to look at than the drop itself!



Whilst the first group were throwing themselves off a cliff, the second group were perfecting their marksmanship with deadly precision! Playing in a process of elimination, we found that some people within the Acturis team could very well be part-time snipers! After a quick breather, snacks and juice, the teams swapped activities.

With the morning activities complete, we arrived for lunch ravenous, with an assorted buffet of curries, chicken, roast meats & vegetables, we left with a smile on our faces and ready for the afternoon activity - River Rafting!



For 3km we all had to navigate over rapids whilst simultaneously dodging our clients who bombarded us with paddled water to the face. Whilst still being able to enjoy the beauty of the river and our surroundings, our guides ensured that the rafting was a highlight by getting involved in our dodgem-canoes and joining in the fun.

Thoroughly exhausted from a very busy day, we retired to the pool and were welcomed with a well-deserved drink. The day wasn't over... the evening saw a large group chill around the fire whilst drooling over the slow cooked spit braai'd lamb. Night caps had both team & client toast each other and hone their shooting skills, sans weapons.







The next morning the aroma of freshly brewed coffee, bacon & eggs soon had us all congregating in the breakfast area & chatting about how we managed to have another super awesome team building.

Sean Hendry

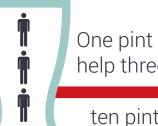




bbd is taking blood donation seriously

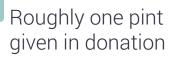
Less 1%

Approximatly one in four



One pint can help three people

ten pints of blood in an adult body



Someone requires blood every three seconds



one hundred pints of blood required for car accident victim

















List of all blood types



There are four

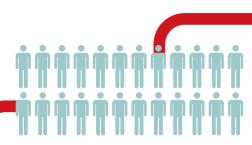


transfusable products

Red Cells **Platelets** Plasma Cryopercipitate All donated blood is tested for HIV, hepatitus B & C, syphilis and other infectious diseases before it can be used



World Blood Donation Day



If you started donating blood at 16 years old and donated every 56 days through to the age of 65, your donations could save the lives of up to

one thousand people



SANBS has eighty four donor centers

WHERE DOES MY BLOOD GO?

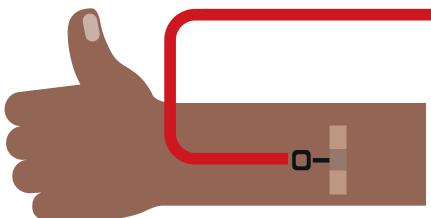
- 28 % for patients with chronic diseases that are not surgically treated
- 26 % for women who haemorrhage during or after childbirth and premature babies
- 26 % for patients undergoing surgery
- 10 % for sick children
- 6 % for research
- 4 % for people injured in accidents

HEALTH BENEFITS

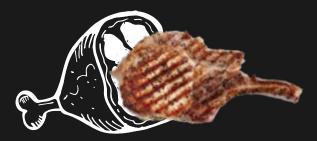
Blood donation improves health!

- Improves overall cardiovascular health
- Reduces the chance of heart attacks
- Lowers risk of **stroke**
- Enhances the production of **new blood cells**
- Lowers risk of cancer









Pork

is low fat protein and delivers iron, potassium and other essential nutrients to the body.



is a great source vitamin A, vitamin C, vitamin K, vitamin B8, pantothenic acid, folate, potassium, iron, copper, and manganese.





Garlic contains a sulfur compound called Allicin, which is believed to bring most of the health benefits. It's low in calories and very rich in Vitamin C, Vitamin B6 and Manganese.

are extremely rich in important antioxidants, flavanoids, and dietary fiber. The phytonutrients and antioxidants in apples may help reduce the risk of developing cancer, hypertension, diabetes, and heart disease.



The recipe for:

GARLIC & ROSEMARY

ROAST PORK

WITH APPLE & CIDER GRAVY



Tear here to add this recipe to your collection

Ingredients

- > 2 kg pork loin or neck
- > 3 garlic cloves, sliced thinly
- 1½ onions, chopped roughly
- > 2 large carrots, chopped roughly
- 2 green apples, chopped roughly
- 250ml good quality cider
- > Handful of rosemary sprigs, broken
- > 3 bay leaves, broken into large pieces
- > 1 tbsp. sunflower oil
- > 750ml chicken stock
- 4 tbsps. plain flour

method

- 1. Pre-heat your oven to 230°C
- 2. Place the pork upside-down on a cooking board
- Make a few deep incisions along the bottom of the meat and insert the garlic, rosemary and bay leaves evenly
- 4. Mix the chopped carrot, onion and apple pieces together and spread evenly along the middle of a roasting tray to lay the bedding for the pork to rest on
- Turn the pork the right-side up and place on the veg and rub all over the meat
- Add salt to the top of the meat and place in the oven for 15 mins

- After the 15 mins are up, turn down the oven to 180°C and roast for 1 hour
- 8. Once the hour is up, place 250ml of the chicken stock into the roasting tray to cook along with the vegetables and pork (you can even add in a little cider now for more flavour and sweetness!). This will allow the meat to retain its moisture and not become dry
- 9. Place the meat back in the oven and cook for a further 30 mins (depending on your liking, you can keep the temperature the same or turn back up to 230°C to further cook the crackling)
- 10. Remove the pork from the roasting tray and place on a board to rest (covering with foil if preferred)
- 11. Transfer the vegetables and the sauce into a pan or cooking pot and put it on a medium heat, begin mixing the remainder of the cider into the veg and start adding in the flour to get a thicker consistency similar to that of a puree
- 12. Pour in the remainder of the stock and simmer for 10 mins
- 13. Add small amounts of flour to thicken as necessary
- 14. Place mixture into strainer and strain into gravy boat (pushing gently on the mixture to allow some of the mashed apples and veg to fall through)
- 15. Carve the pork into slices with a serrated knife. Serve with the apple & cider gravy and your favourite veg!



GUILTY Colleasures

CHRISTMAS RICE KRISPIE TREATS

Ingredients

- → 6 cups Kellogg's Rice Krispies Cereal
- → 1 large packet (40) white marshmallows
- > 3 tbsp. salted butter
- Red food colouring
- Green food colouring

xmas decoration ideas to add

- -> Small M&M's
- Red and green sprinkles
- Silver sugar dragees
- > White choclate, melted

Method

- 1. Melt 6 tablespoons of butter in a large sauce pan on medium heat.
- Add the marshmallows and stir until completely melted and remove from heat.
- 3. If you are going to colour your treats, this is when you should stir in enough green or red food colouring to the mixture. Do not add colouring if you want to leave the treats white.
- Add 6 cups of Rice Krispies Cereal to the marshmallow mixture and fold into the mixture nicely until the cereal is completely covered.

For flat squares or tree shapes

Once you have the above mixture and you want to make squares, hearts, snowflakes, Christmas trees... anything really, put the mixture (using butter coated hands or wax paper) into a butter coated pan and press evenly, allow to cool completely and cut the shapes you want.

For 3D ball or wreath shapes

Once you have the above mix and you want to make 3D balls, wreaths, snowmen, etc. coat your hands with butter and mold the mixture into the shape you desire and allow to cool completely.



Tear here to add this recipe to your collection





PLEASE NOTE THAT THE **LAST**GAUTRAIN TRANSFER WILL BE ON THURSDAY 22ND DECEMBER 2016

Transfers to and from Rosebank will recommence in the new year on Tuesday, 3rd January 2017

Collection from Rosebank - follow Gautrain signs to the shuttle taxi area on Oxford Road South.



DAYS

Monday | Tuesday | Wednesday Thursday | Friday



COLLECTIONS

Mornings I 07:10 & 08:10 I Rosebank Afternoons I 16:15 & 17:15 I Killarney





an organisim that turns

caffine into software. since 1958

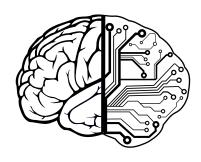
// life motto if (sad() === true) { sad().stop(); beAwesome();

algorithm (noun)

word used by developers when they do not want to explain what they.

askhole (noun)

a person who constantly asks for your advice, yet always does the opposite of what



You are a SEMICOLON to my STATEMENTS

"I choose a lazy person to do a hard job because a lazy person will find an easy way to do it"- Bill Gates

Because the people who are crazy enough to think they can change the world are the ones who do - Steve Jobs

"Talk is cheap. Show me the code"

Any fool can write code that a computer can understand. Good developers write code that humans understand

pro-gram-mer (noun)

a person who fixed a problem that you dont know you have, In a way



Stjepan Odak

"Where could it be COMPETITION"

WINNER

Phephisile Mahlalela

"Biz Quiz **COMPETITION**"

WINNER

SALTWATER POWERED CAR!!!!



Complete the below quiz, send your answers to communications@bbd.co.za

1.

What are the attributes that Pokemon have?

2.

What were the ingredients of the Agile Africa Confrence 2016?

3.

Which topics were covered in the JSinSA Confrence 2016?

4.

In what time did Theo Willemse finish the 94.7 cycle challenge?

5

Which plant family does vanilla belong to?

6.

What does the "GROW" category stand for in Award Nominations?

7.

Name the three tracks presented at esc@pe 2016?



Closing date
20th March 2017

VSFDSEMRCH

F O S S P A S C A L J X L J
O E C T E H O B T A C N R O
R O O P P V S C V N U Y A O
T P L I X E G A R A P L U B
R Y D R U P R L B D A A L J
A T F C A D A L C L Y R Y E
N H U S A L A M B A S I C C
C O S N E P H P N L O C N T
M N I O T D I N O L H O A I
A N O I I A A Y B U R B J V
T G N T Y V O O R G N O L E
L E P C C L E O L A E L R C

Ε

ACTIONSCRIPT ADA **RUBY** LUA BASIC COLDFUSION **PASCAL FORTRAN** BASH **DELPHI JAVA** PHP **MATLAB** PERL COBOL OBJECTIVE-C LYNX **GROOVY**

PYTHON



enta_graffiti #bbdsoftware





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