Mobile development capabilities

For over 20 years BBD has been delivering mobile solutions to our clients across the education, financial, healthcare, insurance, public and telecommunication sectors. We leverage our extensive business and technical knowledge to design, develop and deploy various mobile solutions that improve customer experience, overcome internal organisational challenges and improve efficiencies.

20+
years delivering mobile solutions

288
engineers with mobile development competency

Our mobile development services provide our clients with functionally rich and revolutionary solutions that meet the needs of modern and flexible business operations. By coupling mobile development with user experience (UX) services, utilising deep routed knowledge in human interface guidelines and material design, we understand the intricacies of ensuring effectiveness in an app, whether to improve internal efficiencies, or customer experience.

bbd
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Technical expertise

Understanding our clients at their core, creating and maintaining valued relationships, and investing in the business domain model is what drives BBD's technological neutrality. This enables us to deliver solutions across a variety of technical stacks.

We have expertise in:
- Native iOS, be it SwiftUI or Objective C
- Native Android Java or Kotlin stacks
- Cross platform and hybrid application development expertise in:

  - React tech stack   - Expo

  - Ionic   - Xamarin

  - Flutter   - Responsive design

Our goal is to break the platform barrier with rapid application development that offers early and continuous development, satisfying user needs and bringing true business value.

These elevated mobile user experiences are only achieved by elevating the supporting back-end systems, where BBD can target the latest cloud-based offering in Amazon Web Services (AWS), Microsoft Azure or even Google Cloud Platform (GCP).

Using Java, Spring, Python, or .Net Core, we understand microservice architecture and leverage on that to deliver high performant mobile-friendly back-ends that run at scale.

A track record of success

Financial services

BBD developed an innovative progressive web application (PWA) that does not require traditional mobile development technologies for a client looking for an application that can be used across multiple mobile platforms and as a standalone website. The solution additionally offers map-based viewing capabilities to show various branch and supporting services.

> Tech used: React PWA, Python on AWS Lambda, MongoDB

Utilising highly specialised expertise guaranteed the success of a mobile-fist banking application using both native and cross platform mobile technologies for a client offering one of the first digital banks in South Africa.

> Tech used: Swift, Android, Java, Backbase

In a partnership spanning 10 years, BBD has worked on numerous mobile app development projects at a large financial services client, designing and developing solutions for internet banking, a child-centric banking, and for online share trading.

> Tech used: Objective C, Swift version 3, 4, 5, Android, Java, Kotlin, Ionic

Healthcare, Education and Public Sector

Initially appointed to develop a mobile solution to assist with the last mile dispensing of chronic medication, BBD was able to rapidly develop and deploy a range of mobile and cloud applications to support the clients' goal of providing innovation solutions for the dispensing, distribution and collecting of medicine.

Tech used: Xamarin, C#, AWS, Angular, Asterix PABX, RABBIT MQ, MS SQL Server databases, MS SQL reporting services, Cache development, Gitlab CI/CD

For a revenue collection agency, BBD developed two mobile applications to assist with various services the client provides to the public. The applications allow the agency to perform tasks on the go, and supports a fully offline mode where no network connections are available. The apps additionally allow for the agency to assist taxpayers with quick queries at branches while waiting in queues.

Tech used: Objective-C, Swift, Xamarin, Microsoft.NET

A youth and empowerment-focussed organisation was looking for a mobile application and platform to connect their industry partners' unique multimedia courses with eager young individuals looking to expand their employment prospects and opportunities. BBD designed and developed a unique video and dynamic content-based eLearning platform where individual courses and opportunities are presented to targeted youth in an exciting and afro-urban chic format.

Tech used: React Native, Expo.IO

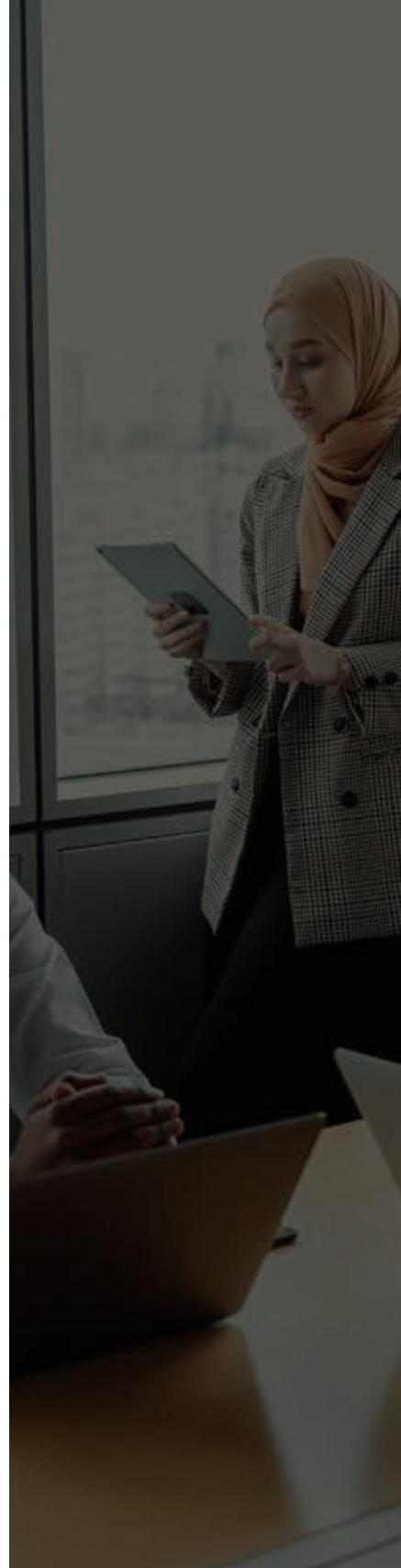## Why trust BBD as your mobile development partner

With broad experience across mobile development technologies and their niche usage in different business sectors, BBD understands digital transformation and looks to engage with clients as they enter modernisation journeys or seek to scale and expand their service offerings. We provide high quality digital experiences to our clients and their customers, no matter the tech required.

Get in touch
If you'd like to engage with us, we'd love to hear from you.

✉ info@bbdsoftware.com

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Insurance

For an award-winning IT service provider to the insurance sector in the UK, BBD stepped in to assist in the core functionality development of a cross platform application that optimises their systems, overcomes challenges and finds new ways to improve customer experiences.

Tech used: Microsoft .NET, Silverlight, WPF, Xamarin, Oracle DB, C++, C#

BBD created an iPad app that offers a clear view of the client's product suite by giving users access to a high-level assessment of their long-term risks and ballpark quotes taking various individual factors into account. For this app, BBD provided UX design and advanced animations alongside development and deployment services.

Tech used: iOS (Objective C)

In short timeframes, BBD developed and deployed iPad mobile apps for a leading insurance provider while also augmenting their existing Java and JavaScript engineering skills.

Tech used: Spring Framework, JavaScript, Angular, Java EE, Node.js, Objective-C

For a client looking to fast-track new tech solutions, our highly skilled teams developed quoting engines, external APIs and mobile apps utilising cloud technologies.

Tech used: Xamarin, C#, Azure, .Net Core

Telecoms

A key IT partner for almost 20 years, BBD has been at the forefront of designing and implementing technical solutions for a leading telecommunications provider in Africa. Using the latest technologies including microservices and container orchestration, the resultant app has won best mobile app in Africa for 3 years.

Tech used: Native and cross platform technologies, React Native, Expo.IO