

THABO MOKHUTSOANE

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After working in construction and mining until 2019, I transitioned to software development. I now build mobile apps with Flutter, Objective-C, Swift, and Java/Kotlin for engaging iOS and Android experiences, and develop scalable web apps using Django, Angular and React/Next.js

EXPERIENCE

Backspace Technologies, Cape Town – Mobile Developer

August 2023 – Present

Web and Mobile Development

- Development and maintenance of VoIP SoftPhone iOS (Objective-C) and Android (Kotlin) applications
- Integrated various APIs, including QR code and barcode scanner functionalities.
- Implemented various features, such as payment integration, wallet top-up, and OTP self-registration processes.
- Customised Linphone with white labelling, creating a fully branded solution tailored to specific client needs.
- Created a Customer Dashboard portal using Flutter, utilising the Bloc pattern for state management and implementing multi-flavor support via platform-specific Method Channels.
- Created a Customer Dashboard portal using Angular for the web app.
- Embedded modern UI frameworks (Flutter, SwiftUI) into legacy Objective-C codebases, enhancing app functionality and user experience without requiring a complete rewrite

Famgroup (Pty) Ltd – Full-stack Developer

December 2019 - August 2023

Web and Mobile Development

- Developed a full-stack radio management web application using Django serving a REST API with React/Next JS as the frontend
- Created Radio App using flutter, utilising the Bloc pattern for state management and implementing multi-flavor support via platform-specific Method Channels.
- Create Sports App using flutter

PROJECTS

Soccer App | Python, Django, Kotlin, Swift, Flutter, PostgreSQL, Git, Docker

Oct 2021 – Present

- Built a full-stack mobile application by creating a Django REST API paired with a Flutter frontend.
- Implemented Raspberry Pi-based Selenium web scraping to continuously update the Django API with fresh data.
- Google Play Store Link: [com.famcast.soccerscore](https://play.google.com/store/apps/details?id=com.famcast.soccerscore).
- iOS App Store Link: [south-african-soccer/id1637097972](https://apps.apple.com/ZA/app/south-african-soccer/id1637097972).

FamCast Radio App | Python, Django, Kotlin, Swift, GO, Flutter, PostgreSQL, Git, Docker

Nov 2017 – Present

- Developed a full-stack radio application with a Django REST API and a Flutter frontend.
- Engineered a Golang-powered API to dynamically filter and deliver only actively playing stations to the Flutter application.
- Google Play Store Link: [com.famcast.radioapp](https://play.google.com/store/apps/details?id=com.famcast.radioapp).
- iOS App Store Link: [famcast-radio-app/id1470606058](https://apps.apple.com/ZA/app/famcast-radio-app/id1470606058).

OBD II Diagnostic Android App | Kotlin, Android, Bluetooth, OBD II Protocols

In Progress

- Developing an Android application to interface with OBD II devices, enabling real-time vehicle diagnostics and data logging.
- Implementing Bluetooth communication to retrieve and display vehicle performance data.

TECHNICAL SKILLS

Languages: Kotlin, Java, Objective-C, Swift, Dart, Python, Go, SQL, JavaScript, HTML/CSS

Frameworks: Flutter, Angular, React, Node.js, Django, SwiftUI, UIKit, WordPress, Material-UI, Bootstrap, Primeng, Tailwind CSS

Developer Tools: Git, Docker, Xcode, Android Studio, VS Code, IntelliJ

Libraries: Liblinphone SDK, OBD II Java

EDUCATION

University of California, Irvine <i>Programming with Google Go</i>	via Coursera 2024
Amazon Web Services <i>DevOps on AWS</i>	via Coursera 2024
Heatherdale Secondary School <i>Grade 12</i>	Bloemfontein, FS 2016

ADDITIONAL TRAINING

Concrete and Cement Institute <i>Concrete Technology and Construction Level 4</i>	Midrand, GP 2009
Palabora Mining Company <i>2.9.2 Legal Appointment</i>	Phalaborwa, Limpopo 2012
Dekra <i>Legal Liability</i>	 2011