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BRUNO SOUSA DE OLIVEIRA

Mobile Software Engineer

PROFESSIONAL SUMMARY

Software Engineer with 13+ years in IT and 9+ years in mobile development. Strong experience in Flutter, Android, Kotlin, Java, and cross-platform apps. Skilled in building, integrating, and maintaining mobile applications end-to-end, following agile practices, and working effectively in team environments.

EDUCATION

POST-GRADUATE DIPLOMA IN PROJECT MANAGEMENT – PMI 2013 – 2014
Metrocamp *Campinas-SP, Brazil*

BACHELOR OF SCIENCE IN COMPUTER SCIENCE 2009 – 2012
Universidade Paulista *Campinas-SP, Brazil*

EMPLOYMENT HISTORY

ANDROID DEVELOPER May 2017 - Jan 2025
HEALTHSAFE (formerly Virtual Tag) *New Zealand*

- Led development of native Android and cross-platform Flutter applications, including the SecurePass Kiosk app.
- Delivered full app lifecycle management from design to release, integrating biometric authentication, QR scanning, and Bluetooth beacon features.
- Collaborated with product teams to define technical solutions for workplace safety and visitor management.
- Modernized legacy Android codebase using Kotlin and Jetpack components.
- Supported iOS builds and releases for cross-platform features.

ANDROID DEVELOPER Sep 2013 - Aug 2016
CPFL ENERGIA *Brazil*

- Developed a mobile system (CWS) connecting field teams with operations centers, improving communication and efficiency.
- Implemented maps navigation, push notifications, and service order management.
- Collaborated in Scrum teams for iterative delivery.
- Improved data security through encryption and optimized backend sync.

SYSTEM ANALYST Jul 2013 - Sep 2013
KWCONSULT *Brazil*

- Developed a stock control system for the State Department of Education using C#.NET and SQL Server.
- Built frontend and backend components for distribution tracking.

TRAINEE, WEB DEVELOPER Mar 2011 – Jun 2013
CPFL ENERGIA *Brazil*

- Developed internal web applications with C#.NET, PL/SQL, HTML, and CSS.
- Contributed to agile workflows using Scrum and Kanban.

MAJOR PROJECTS

SECUREPASS

A safety app that monitors workers' health and location in hazardous environments with real-time alerts and tracking.

- Implemented geofencing to detect entry into hazardous zones and trigger real-time location tracking.
- Integrated heart-rate monitoring and biometric sensors, sending continuous health data to management dashboards.
- Developed a long-press emergency alert system for instant help requests.
- Built using Android Native with Java, following MVVM architecture.
- Connected to REST APIs and local SQLite database for data storage and retrieval.
- Utilized a camera scanner and an accelerometer for enhanced safety features.

SECUREPASS KIOSK

Self-sign-in solution for contractors, staff, guests, and visitors with seamless dashboard integration.

- Developed self-sign-in workflow for contractors, staff, guests, and visitors using Flutter and Dart.
- Integrated camera scanning, printer support, and Bluetooth peripheral connectivity for efficient check-in.
- Implemented REST API communication and MVVM architecture with GetX for state management.
- Supported MDM deployment for streamlined hardware and software setup.
- Ensured printer integration for check-in receipts and reports.

CWS

Internal app for CPFL that streamlines field crew operations with real-time site info, navigation, reporting, and HQ communication.

- Built with Android Native (Java) using MVP architecture for a scalable and maintainable codebase.
- Implemented geolocation and maps integration to deliver optimal routing and real-time site details.
- Developed workflows for team sign-in, materials tracking, and service reporting.
- Integrated REST API for real-time data sync between Field Crew and HQ.
- Added in-app chat enabling instant communication with engineering teams.
- Implemented push notifications to alert crews about new tasks, updates, and urgent events.

SKILLS

PROGRAMMING LANGUAGES

4 years: Kotlin,
3 years: Flutter,
5 years: Java

TECHNOLOGIES

Swift, Android SDK, Jetpack libraries, RESTful APIs, SQL, SQLite, Retrofit, Geofencing, Bluetooth, Firebase, Biometric authentication, MVVM, MVP, Git, Jira, Agile Methodologies.

ONLINE COURSES

-The Complete Flutter Development Bootcamp with Dart (2023),
- Modern Programming Fundamentals with Kotlin – Android (2021)
- Compose essentials (2025)
- MongoDB Essentials - Understand the Basics of MongoDB(2023)

LANGUAGES

Portuguese (*Native*), English (*Fluent*), Spanish (*Basic*).

LINKS

Portfolio: dignelsonx.github.io Personal Page: dignelsonx.github.io LinkedIn: [www.linkedin.com](https://www.linkedin.com/in/dignelsonx/)