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# BRUNO SOUSA DE OLIVEIRA

*Mobile Software Engineer*

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## PROFESSIONAL SUMMARY

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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.

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## EDUCATION

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<b>POST-GRADUATE DIPLOMA IN PROJECT MANAGEMENT – PMI</b> <i>Metrocamp</i>	<b>2013 – 2014</b> <i>Campinas-SP, Brazil</i>
<b>BACHELOR OF SCIENCE IN COMPUTER SCIENCE</b> <i>Universidade Paulista</i>	<b>2009 – 2012</b> <i>Campinas-SP, Brazil</i>

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## EMPLOYMENT HISTORY

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<b>ANDROID DEVELOPER</b> <i>HEALTHSAFE (formerly Virtual Tag)</i>	<b>May 2017 - Jan 2025</b> <i>New Zealand</i>
<ul style="list-style-type: none"><li>• Led development of native Android and cross-platform Flutter applications, including the SecurePass Kiosk app.</li><li>• Delivered full app lifecycle management from design to release, integrating biometric authentication, QR scanning, and Bluetooth beacon features.</li><li>• Collaborated with product teams to define technical solutions for workplace safety and visitor management.</li><li>• Modernized legacy Android codebase using Kotlin and Jetpack components.</li><li>• Supported iOS builds and releases for cross-platform features.</li></ul>	
<b>ANDROID DEVELOPER</b> <i>CPFL ENERGIA</i>	<b>Sep 2013 - Aug 2016</b> <i>Brazil</i>
<ul style="list-style-type: none"><li>• Developed a mobile system (CWS) connecting field teams with operations centers, improving communication and efficiency.</li><li>• Implemented maps navigation, push notifications, and service order management.</li><li>• Collaborated in Scrum teams for iterative delivery.</li><li>• Improved data security through encryption and optimized backend sync.</li></ul>	
<b>SYSTEM ANALYST</b> <i>KWCONSULT</i>	<b>Jul 2013 - Sep 2013</b> <i>Brazil</i>
<ul style="list-style-type: none"><li>• Developed a stock control system for the State Department of Education using C#.NET and SQL Server.</li><li>• Built frontend and backend components for distribution tracking.</li></ul>	
<b>TRAINEE, WEB DEVELOPER</b> <i>CPFL ENERGIA</i>	<b>Mar 2011 – Jun 2013</b> <i>Brazil</i>
<ul style="list-style-type: none"><li>• Developed internal web applications with C#.NET, PL/SQL, HTML, and CSS.</li><li>• Contributed to agile workflows using Scrum and Kanban.</li></ul>	

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## MAJOR PROJECTS

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### 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.

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## SKILLS

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### PROGRAMING 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)

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## LANGUAGES

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

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## LINKS

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