

JOSE JORGE DO AMARAL MARRIMA

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EDUCATION

Master of Computer Information Systems, Colorado State University

Dec 2025

Bachelor of Information Technology, Universiti Teknologi PETRONAS

2015 - 2018

EXPERIENCE

Android Engineer

May 2025 - Dec 2025

E.I. Medical Imaging

Loveland, CO

- Architected a cross-platform medical imaging application from scratch using Compose Multiplatform, enabling a unified codebase for iOS and Android and reducing development costs by 20%.
- Engineered a low-latency streaming app (<200ms) for real-time ultrasound video using RTP/RTSP and GStreamer.
- Built native modules using Kotlin Native, JNI, C, and Android NDK (C) to handle diagnostics.
- Designed modern UI/UX using Jetpack Compose and SwiftUI with GenAI-assisted workflows.
- **Tech Stack:** Compose Multiplatform, Kotlin, Swift, SwiftUI, Coroutines, MVVM, GStreamer, Android NDK, JNI, C, RTP/RTSP.

Senior Android Engineer

Mar 2022 – Dec 2024

PAYBACK (American Express)

Munich, Germany

- Built features for Europe's leading loyalty platform serving 34M+ users across 10+ countries.
- Led modernization initiatives by migrating XML to Jetpack Compose and RxJava to Coroutines, improving maintainability and developer productivity.
- Architected shared business logic using Kotlin Multiplatform (KMP), significantly reducing code duplication between iOS and Android.
- Conducted 15+ technical interviews and led onboarding programs for new engineers.
- **Tech Stack:** Kotlin, Jetpack Compose, KMP, Coroutines, Flow, MVVM, Dagger/Hilt, Spring Boot, GCP.

Software Engineer

Sep 2021 - Feb 2022

Emitu

Porto, Portugal

- Developed backend solutions for IoT low-code frameworks using Spring Boot.
- Authored IoT integration scripts in JavaScript and C for sensor data processing and device communication.
- **Tech Stack:** Spring Boot, Kotlin, Java, JavaScript, C, IoT Integration.

Android Developer

Sep 2018 - Jul 2019

Tata Consultancy Services

Kolkata, India

- Developed banking features for one of the world's largest banks, utilizing MVVM architecture.
- Implemented reactive programming using RxJava and dependency injection with Dagger 2.
- **Tech Stack:** Java, MVVM, RxJava, Dagger 2, Android Architecture Components, JUnit, Espresso.

LEADERSHIP & COMMUNITY

GDG Denver Speaker: Presented "Your First AI Model on Android," demonstrating on-device ML using TensorFlow Lite.

GDG Northern Colorado: Selected as a co-organizer for the Google Developer Group.

Workshop: Taught "Git Internals" to an audience of over 60 students at CSU.