

# JOSE JORGE DO AMARAL MARRIMA

(970) 566-1726 ◊ Fort Collins, CO

marrimajose@gmail.com ◊ linkedin.com/in/josemarrima ◊ josemarrima.com

## EDUCATION

**Master of Computer Information Systems**, Colorado State University  
**Bachelor of Information Technology**, Universiti Teknologi PETRONAS

Dec 2025  
2015 - 2018

## EXPERIENCE

### Android Engineer

E.I. Medical Imaging

May 2025 - Dec 2025  
*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

PAYBACK (American Express)

Mar 2022 – Dec 2024  
*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

Emitu

Sep 2021 - Feb 2022  
*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

Tata Consultancy Services

Sep 2018 - Jul 2019  
*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.