Louis Michael Ricafrente

Android & Full-Stack Developer / Software Engineer

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PROFESSIONAL SUMMARY

High Distinction Information Systems graduate (1.6371 GWA) from University of Camarines Norte (UCN, formerly CNSC) and Android & Full-Stack Developer at HeroApps. Shipped commercial companion apps on Google Play Store (MLBB Game Guide and LoL Game Guide) with 1K+ installs and 5.0/5.0 ratings, built cross-platform EarnPH features in Compose Multiplatform, and architected award-winning web platforms in React, Node.js, Express, PHP, and MySQL.

TECHNICAL COMPETENCIES

Mobile & App Architecture: Kotlin, Jetpack Compose, Compose Multiplatform (CMP), Android SDK, Android Media3 / ExoPlayer, Room Database, Retrofit, Ktor, Hilt, Koin, Coroutines, Flow
Web & Backend: React 18, Next.js 14, Node.js, Express, JavaScript (ES6+), PHP, HTML5, CSS3, Tailwind CSS, RESTful APIs, WebSockets (Socket.IO)
Databases, Cloud & Desktop: MySQL, MariaDB, SQLite, Firebase (Firestore, Auth, Storage, Crashlytics), Google Maps & Places API, Vercel, Java Swing, C# (.NET WinForms, OpenXML)
Quality, Testing & AI Workflows: Clean Architecture, MVVM, MVI, Git, GitHub, CI/CD, Code Reviews, Detekt, Android Lint, manual Android functional/UI testing, AI-assisted Kotlin/JUnit testing, Codex, Google Antigravity, OpenCode, Claude

PROFESSIONAL EXPERIENCE

Android Developer | HeroApps Software Development Services

May 2026 - Present | Daet, Camarines Norte, Philippines (Full-Time)

- Top contributor with **340+ production commits** on MLBB Game Guide (Google Play Store release, 1K+ installs, 5.0/5.0 rating, 1.2K+ monthly active devices).
- Architected and shipped an interactive Daily Quiz Engine in Kotlin and Jetpack Compose, with resilient offline caching via Room and Firebase Firestore with automated network fallbacks.
- Engineered cross-platform mobile architecture on EarnPH using Compose Multiplatform (CMP), Koin DI, Ktor, and Google Maps & Places APIs featuring address autocomplete, location caching, and custom markers.

Android Developer Intern | HeroApps Software Development Services

February 2026 - May 2026 | Daet, Camarines Norte, Philippines

- Awarded **Best OJT Award (2026)** by the Systems Development Unit for engineering a custom video/ad playback architecture using Android Media3 / ExoPlayer with an automated restart state machine.
- Co-developed and shipped LoL Game Guide to Google Play Store; built the complete Draft Master simulation, champion ranking UI, and backend data transformation using the official Riot developer API.

PROJECTS

Museo Bulawan MIS | Lead Full-Stack Architect & Developer

React 18, Node.js, Express, MySQL, Socket.IO, Tailwind CSS | museo-bulawan-mis.vercel.app

- Conferred the **Best Capstone Project Award (2026)** by Camarines Norte State College (now University of Camarines Norte).
- Built digital scheduling and appointment MIS featuring a 5-step visitor booking flow with instant date/slot validation and 3 role-based administrative dashboards.
- Engineered bidirectional slot synchronization using Socket.IO to prevent double-booking.

The Retro Rack | Full-Stack Web Developer

PHP, MySQL, JavaScript, HTML5, CSS3, Apache | the-retro-rack.vercel.app

- Architected complete e-commerce web platform covering dynamic product catalog browsing, shopping cart, coupon validation engine, and order tracking.
- Designed relational MySQL database schema with transaction handling for orders and stock; developed administrative portal with sales analytics and stock threshold alerts.

SIS (Sales & Inventory System) | Desktop Application Developer

Java, Java Swing, OOP, Desktop GUI | github.com/louisricafrente-dev/SIS

- Developed desktop Sales and Inventory System featuring role-based authentication, operational dashboards for stock and sales monitoring, and input validation.

EDUCATION & HONORS

Bachelor of Science in Information Systems (BSIS) | University of Camarines Norte (UCN, formerly Camarines Norte State College)

2022 - 2026 | Cumulative GWA: **1.6371** (High Distinction / Dean's Lister, ~3.7 US GPA equivalent)