

RALPH JENREY T. LOQUELLANO

Cebu City, Philippines | Open to Remote

FULL-STACK ENGINEER

Full-Stack Engineer with **3 years of experience** building and scaling **web and mobile applications** in remote-first, cross-functional teams. Expert in **Flutter, Next.js, JavaScript/TypeScript**, and **API-driven architectures**, with strong experience integrating **AI tools** to accelerate development, testing, and documentation workflows. Proven leader and mentor with a strong ownership mindset, delivering **secure, scalable, and well-documented systems** across SaaS, commerce, and real-time platforms.

CORE SKILLS

Frontend & Web Architecture: Flutter, React.js, Next.js, Angular; JavaScript (ES6+), TypeScript, HTML5, CSS3; Responsive design, component-driven UI, cross-platform mobile builds

Backend & APIs: Node.js, Express.js, Fastify, PHP (Laravel, Plugin/API Development), Django, Flask; RESTful APIs, OpenAPI integrations, JWT Authentication

AI-Assisted Development: OpenAI API, Google Gemini API, AWS Rekognition; AI-assisted testing, code generation, documentation automation, workflow optimization

DevOps & Engineering Practices: Git, GitHub, CI/CD (GitHub Actions, Azure DevOps); Docker, Cloud Functions; Test Driven Development (TDD), secure coding, scalable architecture

Systems Expertise: Ubuntu, MacOS, Windows

Collaboration & Leadership: AGILE / Scrum, cross-time-zone collaboration; Mentoring entry-level developers, knowledge sharing, technical leadership

PROFESSIONAL EXPERIENCE

Lead Full-Stack Engineer (Project-Based, Remote)

EZ Party PH | August 2025 – December 2025

- Led a distributed engineering team to deliver a production-ready mobile platform within strict deadlines.
- Architected and developed Flutter iOS and Android applications supporting merchant and consumer workflows.

- Designed serverless microservices using Next.js to support scalable backend operations.
- Integrated PayMongo payment processing with secure transaction handling.
- Implemented real-time chat and notification services using Fastify and WebSockets.
- Deployed cloud infrastructure using AWS (S3, Beanstalk, Lightsail) and integrated AI-powered features.
- Used Bugsnag for logging errors in production mobile application.
- Applied TDD methodologies to ensure robust, high-quality code.
- Mentored junior developers and contributed to internal knowledge sharing.

Full-Stack Developer (Remote, Full-Time)

W3Systems | February 2025 – Present

- Built and maintained scalable mobile applications using Flutter for enterprise clients.
- Migrated legacy systems from Phalcon PHP to Laravel and React.js microservices architecture.
- Designed and deployed CI/CD pipelines using GitHub Actions, reducing deployment errors.
- Integrated Google Gemini AI to automate product volume calculations from images.
- Migrated MySQL databases to MongoDB to improve performance and scalability.
- Implemented Redis for caching, Pub/Sub messaging, and real-time event handling.
- Built scalable WebSocket notification systems using Fastify.
- Managed cloud services across AWS and Google Cloud platforms.
- Used Bugsnag and Sentry for logging errors.
- Leveraged AI tools to accelerate development, testing, and documentation.
- Collaborated with the senior developer and cross-functional teams in AGILE ceremonies.

Software Developer (Remote, Part-Time)

Calcmenu Philippines | June 2024 – February 2025

- Developed secure RESTful APIs using Flask with JWT authentication and CSRF protection.
- Integrated OpenAI APIs to power AI-driven technical support chatbots.
- Designed and deployed Angular admin dashboards for chatbot management.
- Implemented Azure Functions for automated AI-powered PDF generation using OpenAI, Vector Embeddings, web scraping tools and .NET as backend for PDF Generator.
- Maintained Visual Basic and .NET Servers.
- Optimized database performance using T-SQL, triggers, and stored procedures.
- Collaborated with cross-functional teams and mentored interns.
- Developed a **facial recognition attendance system using AWS Rekognition**.
- Applied TDD and structured testing to ensure robust code.

Full-Stack Developer (Freelance, Remote)

FluxFusionDev | December 2023 – Present

- Designed and deployed microservice-based systems for education, retail, and SaaS platforms.
- Built real-time chat applications using Firebase, Node.js, Flutter, and WebSockets.
- Developed **facial recognition attendance systems integrating AWS Rekognition, Laravel, Flask, Firebase, and SQL databases.**
- Migrated legacy Java mobile applications to Flutter and published to Google Play and Apple App Store.
- Implemented Firebase Cloud Functions to synchronize SQL and NoSQL databases.
- Led small teams in delivering SaaS products under tight deadlines.
- Applied AI tools to accelerate development, testing, and documentation workflows.

Technical Support Representative

Tech Mahindra | June 2022 – December 2022

- Resolved complex technical issues while maintaining high customer satisfaction.

EDUCATION

Bachelor of Science in Information Technology

Cebu Eastern College – Cebu City, Philippines

Graduated April 2025 | Cum Laude

CERTIFICATIONS

- FreeCodeCamp – Responsive Web Design
- FreeCodeCamp – Data Structures & Algorithms

SELECTED PROJECTS & LIVE APPLICATIONS

EZ Party PH – Event & Commerce Platform

Flutter Mobile App | Web Admin & Website

- iOS: <https://apps.apple.com/ph/app/ez-party/id674917886>
- Android: <https://play.google.com/store/apps/details?id=com.ezpartyph.ezparty>
- Admin: <https://admin.ezpartyph.com/>
- Website: <https://ezpartyph.com/>

Highlights: Flutter mobile apps, payment integration, real-time chat & notifications, API-driven

backend, AI-assisted features

Toby's Estate Coffee – Loyalty & Customer Engagement App

Flutter Mobile App | Website

- Website: <https://www.tobysestateph.com/>
- Android: <https://play.google.com/store/apps/details?id=com.efren.tobyestateloyaltyapp>
- iOS: <https://apps.apple.com/ph/app/tobys-estate-ph/id1292175438>

Highlights: Flutter development, API integrations, UI/UX consistency

Euromovers – Logistics & Relocation Platform

Customer App & Admin App | Web Admin

- Web: <https://euromoversdk.mww-systems.com/login>
- Mobile: Search “Euromovers” on App Store / Play Store

Highlights: Role-based apps, Flutter frontend, backend API integrations, real-time notifications

MIS – Management Information System

Web Application: <https://tenant-mis-u42d.vercel.app/auth/login>

Highlights: API-driven frontend, modular architecture

Calcmenu – AI-Powered Recipe Platform

Web Application |  Azure Cloud

- <https://www.calcmenulab.ai/>

Highlights: Recipe Converter & Creator, Flask + Angular 18, Azure Functions, AI-powered workflows