

FREDDIE RICK LABUANAN

Makati City, Metro Manila, Philippines | (+63) 961-511-7558 | fri082998@gmail.com
[linkedin.com/in/freddie-rick-labuanan-66b329259](https://www.linkedin.com/in/freddie-rick-labuanan-66b329259) | <https://frel082998.github.io/>

PROFESSIONAL SUMMARY

Experienced full-stack developer with 5+ years of experience designing and scaling enterprise-grade systems across finance, logistics, IoT, and agriculture tech. Skilled in microservices, cloud-native development, and security-first architecture. Proven ability to deliver high-impact solutions with measurable results, including system performance improvements, reduced downtime, and increased adoption rates.

PROFESSIONAL EXPERIENCE

Vértere Global Solutions, Inc. – Makati City (Project-based)

Programmer Analyst III

April 2025 – Present

- Engineered a risk evaluation service adopted across enterprise systems, improving assessment accuracy and reducing manual reviews by 80%.
- Co-designed and implemented a self-service loan application portal, reducing client onboarding time by 30%.
- Drove microservice adoption across 4 core systems in collaboration with leads and analysts.

Rococo Global Technologies Corporation – Makati City

Software Developer (Promoted from Junior to Mid-Level)

January 2023 – March 2025

- Scaled an IoT monitoring system with a microservice redesign, improving device accuracy to 95%.
- Implemented a procurement system with 95% adoption; mentored peers on architecture and module design.
- Spearheaded OWASP-compliant security updates, reducing vulnerabilities by 95%.
- Championed containerized microservices, improving base code quality by 70% and accelerating team adoption.

Quirino State University – Diffun, Quirino (Project-based)

Science Research Specialist I / Science Research Analyst

March 2022–December 2022

- Optimized irrigation IoT sensors by 20%, enabling 15% more efficient water use.
- Designed and deployed IoT irrigation system with real-time web monitoring, boosting system reliability by 30%.

Isabela State University – Echague, Isabela (Project-based)

Project Assistant I

August 2019–January 2022

- Built CPD monitoring tools for 50+ pilot users, increasing engagement by 50%.
- Assisted in deployment and testing of web/mobile tools and drone systems, ensuring 95% operational reliability.
- Supported the development and training of a machine learning model for cassava phytoplasma disease detection and recognition, reaching 70% accuracy.

TECHNICAL SKILLS

Core Expertise: PHP · JavaScript · C#.NET · REST APIs · Microservices · Cloud (AWS, Docker, CI/CD, Cloudflare)

Web & Mobile: Laravel · CodeIgniter · Node.js · TypeScript · React · Next.js · React Native · WebSockets · Responsive UI (Bootstrap, Tailwind CSS, jQuery, AJAX) · Wordpress · React Query · React Hooks · State Management (Redux, Jotai)

Databases: MySQL · MariaDB · PostgreSQL · MongoDB · SQLite · Firestore · NoSQL

DevOps & Infra: Linux · Nginx · Apache · Microsoft IIS · Git (GitLab, GitHub, Bitbucket) · Firebase · CI/CD Pipelines

Computer Vision & ML Tools: Python · OpenCV · TensorFlow

Tools: Jira · Trello · Redmine · Agile (Scrum/Kanban) · Figma · Draw.io · Slack · Metabase · Copilot

EDUCATION

ISABELA STATE UNIVERSITY – Echague, Isabela, Philippines

June 2019

Bachelor of Science in Information Technology