FREDDIE RICK LABUANAN

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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 systems, improving assessment accuracy and reducing manual reviews by 80%.
- Co-designed and implemented 50% of a customer-facing loan application portal, enabling self-service applications and accelerating client onboarding.
- Collaborated with leads and analysts to drive microservice architecture adoption across 4 core systems.
- Partnered with QA and peers in troubleshooting and resolution, reducing production incidents by 20%.

Rococo Global Technologies Corporation – Makati City

Middle Developer   *January 2025 – March 2025*

- Scaled an IoT monitoring system with a microservice redesign, improving device accuracy to 95%.
- Designed and rolled out a procurement system with 95% adoption, mentoring peers on architecture and module design.
- Enhanced base code by 70% and implemented containerized microservices to accelerate team adoption.

Junior Developer   *January 2023 – December 2024*

- Developed an IoT-enabled monitoring system (90% adoption), improving manufacturing efficiency.
- Optimized and maintained a surveying system, boosting performance by 80%.
- Spearheaded OWASP-compliant security updates, reducing vulnerabilities by 95%.
- Implemented offline mode in a logistics system, cutting downtime by 25%.

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

Science Research Specialist I / Science Research Analyst   *March 2022–December 2022*

- Improved 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%.
- Led pilots across 10+ agricultural sites, validating scalability.
- Promoted for exceeding project goals & early milestone delivery.

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

Project Assistant I   *August 2019–January 2022*

- Built CPD monitoring tools for 300+ pilot users, increasing engagement by 50%.
- Integrated geolocation & drone-based data, improving crop detection efficiency by 35%.
- Supported deployment and testing of web/mobile tools and drone systems, ensuring 95% operational reliability.

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, jQuery, AJAX)
Databases: MySQL · PostgreSQL · MongoDB · SQLite · Firestore · NoSQL
DevOps & Infra: Linux · Nginx · Apache · Microsoft IIS · Git (GitLab, GitHub, Bitbucket) · Firebase · CI/CD Pipelines
Tools: Jira · Trello · Redmine · Agile (Scrum/Kanban) · Figma · Draw.io

EDUCATION

ISABELA STATE UNIVERSITY – Echague, Isabela, Philippines   *June 2019*
Bachelor of Science in Information Technology