Ralph Lozada

Software Engineer

Bacolod City, Philippines | ralph.lozada@outlook.com | +639485929813 | linkedin.com/in/r-lozada

Visa Status: Requires Visa Sponsorship / Eligible for Critical Skills Employment Permit (CSEP)

Summary

Performance-focused Software Engineer with 7+ years of professional experience specializing in robust backend architecture with Go (Golang) and Node.js (Fastify). Proven track record of independently managing production cloud infrastructure on AWS (EC2, S3, RDS, IAM) and optimizing PostgreSQL databases with Redis caching strategies to reduce query latency by over 80%. Adept at building scalable, high-concurrency solutions with an emphasis on code efficiency and system reliability.

Technical Skills

Languages & Frameworks: Go (Golang), Node.js, Fastify, TypeScript, JavaScript (ES6+), React, Vue.js, Tailwind CSS
Databases & Caching: PostgreSQL, Redis, MySQL
Cloud & Infrastructure: AWS (EC2, S3, RDS, IAM), Docker, Linux (Ubuntu/Debian)
Tools & Architecture: Git, RESTful APIs, Microservices, Technical Documentation, Agile/Scrum

Work Experience

Senior Backend Developer

Zip | Makati City, Philippines (Remote) | August 2026 – Present

- Engineered high-performance server-side architectures, RESTful APIs, and scalable data storage solutions to support high concurrency and system availability.
- Optimized PostgreSQL database schemas, complex queries, and Redis caching strategies to increase data throughput and lower response latency.
- Collaborated with cross-functional teams including frontend engineers, product managers, and UI/UX designers to translate business requirements into feature-rich technical implementations.
- Established robust code quality standards by writing comprehensive automated tests, performing peer code reviews, and maintaining technical system documentation.
- Diagnosed and resolved complex production issues to ensure application security, reliability, and continuous system uptime.

Senior Full Stack Engineer

Emporia Group | Muntinlupa City, Philippines (Remote) | July 2026 – Present

- Delivered end-to-end full stack software engineering services focused on designing, building, and scaling high-performance backend systems using Go (Golang).
- Managed continuous application enhancements, deployments, automated testing, and long-term maintenance of production applications to guarantee reliability.
- Exercised independent technical judgment to analyze complex business requirements, resolve deep-seated system bottlenecks, and optimize performance.
- Collaborated directly with project stakeholders and product managers to translate strategic goals into reliable technical architecture and actionable project deliverables.

Senior Software Engineer

Innovative Research and Intelligent Solutions | Metro Manila, Philippines (Remote) | May 2024 – June 2026

- Managed and optimized production cloud infrastructure on AWS (EC2, S3, RDS), boosting full-stack application stability and system speed by 25%.
- Drove end-to-end full-stack development as the primary engineer, delivering critical Fastify (Node.js) backend logic updates and refining React user interfaces.
- Established a rigorous personal code review and unit testing workflow to maintain high standards of code readability and system performance.
- Updated and expanded RESTful API backend services, ensuring seamless integration and comprehensive documentation across the codebase.

- Refactored complex legacy modules into clean, reusable code libraries to minimize technical debt and accelerate feature delivery.

Cloud Engineer
Senti Techlabs Inc. | Taguig City, Metro Manila, Philippines (Remote) | March 2023 – May 2024

- Owned the full software development lifecycle for core system modules, taking features from initial architectural design through to deployment and maintenance.
- Engineered scalable backend services using Fastify (Node.js), strictly adhering to OpenAPI Specifications to ensure standardized API contract documentation.
- Maintained a disciplined solo workflow by conducting rigorous self-directed code reviews and automated testing to ensure efficient production code.
- Identified and resolved deep-seated legacy defects, performing critical upgrades and debugging to modernize existing core infrastructure.
- Developed reusable libraries and shared internal modules, reducing subsequent feature development turnaround times by 30%.

Full Stack Developer
HesedovationPH | Singapore (Remote) | March 2019 – March 2023

- Engineered and maintained core software programs using Go (Golang) over a 4-year period, delivering high-efficiency backend logic and long-term architectural stability.
- Developed responsive user interfaces using Vue.js, TypeScript, and JavaScript to ensure seamless integration with complex backend API services.
- Managed Linux production deployments via PuTTY, executing server-side configurations, secure file transfers, and service maintenance.
- Utilized Docker to containerize applications, guaranteeing environment consistency between local development setups and production servers.
- Designed and executed manual testing protocols to evaluate new features, eliminating defects prior to production release.
- Partnered with cross-functional stakeholders to translate business needs into functional code while authoring technical user documentation to support software adoption.

Education

Bachelor of Science in Information Technology June 2015 - May 2022
University of St. La Salle - Bacolod