RALPH LOZADA

Software Engineer | Backend & Full Stack

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Visa Status: Requires Accredited Employer Work Visa (AEWV) Sponsorship / Open to Relocation

Professional Summary

Performance-focused Software Engineer with over 7 years of professional experience, specializing in a 4-year foundation of building and scaling production backend systems with Go (Golang). Proven track record of optimizing PostgreSQL databases and implementing Redis caching strategies to reduce database query latency by over 80% under high concurrency. Proficient in the full software development lifecycle (SDLC), with expertise in Node.js (Fastify), TypeScript, RESTful API design, and cloud deployments on AWS (EC2, S3, RDS, IAM). Demonstrated success in optimizing PostgreSQL relational databases, managing containerized Linux environments, and implementing secure Role-Based Access Control (RBAC) architectures.

Work Experience

Senior Backend Developer

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

- Core API & System Logic: Design, develop, and maintain performant server-side logic, RESTful APIs, and data storage solutions following software engineering best practices.
- Database & Caching Optimization: Implement and optimize database schemas, complex queries, and caching strategies to ensure application performance, security, and scalability.
- Cross-Functional Collaboration: Partner closely with frontend engineers, product managers, and designers to define specifications and deliver high-quality features.
- Quality & Reliability Engineering: Drive system reliability and maintainability by writing automated tests, leading code reviews, troubleshooting production issues, and updating technical documentation.

Senior Full Stack Engineer

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

- High-Performance Core Systems: Architect and scale high-throughput backend services using Go (Golang) and Node.js, focusing on API performance and long-term system maintainability.
- Lifecycle & Deployment Management: Oversee application lifecycles from architecture design to automated/manual containerized deployments on Docker-virtualized environments.
- Performance Optimization: Conduct deep-level technical diagnosis and database query refactoring, improving core service responsiveness and application efficiency.
- Cross-Functional Execution: Collaborate directly with product leadership and technical stakeholders to convert business objectives into resilient system architectures.

Senior Software Engineer

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

- AWS Infrastructure Operations: Maintained production cloud environments across AWS services (EC2, S3, RDS, IAM), delivering high uptime for full-stack systems built with Fastify and React.
- End-to-End Module Delivery: Spearheaded continuous feature development and maintenance across core application modules, managing backend logic and API contracts.
- Quality Assurance & Code Standards: Established self-regulated code review standards, comprehensive unit testing, and structured logging to reduce production bugs.
- Refactoring & Maintenance: Standardized legacy modules into reusable software libraries, significantly reducing codebase complexity and streamlining technical onboarding.

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

- Full SDLC Ownership: Led architectural analysis, service design, testing, and deployment for core software microservices.
- API Standardization: Engineered backend APIs with Node.js and Fastify, strictly adhering to OpenAPI (Swagger) specifications for accurate documentation and client integration.
- Modular Architecture: Modernized legacy backends by building reusable core packages, cutting redundant technical effort by 30% across projects.

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

- Go Backend Development: Designed and maintained performant server-side microservices using Go over a 4-year tenure, ensuring platform stability and fault tolerance.
- Frontend Integration: Developed responsive user interfaces with Vue.js and JavaScript, integrating seamless asynchronous communication with complex backend APIs.
- Server Administration & Docker: Configured and managed Linux production environments (Ubuntu/Debian) using Docker containers and manual SSH deployments.

Technical Skills

Languages & Runtimes: Go (Golang), Node.js, TypeScript, JavaScript (ES6+), HTML5, CSS3
Backend & DB: Fastify, RESTful APIs, OpenAPI (Swagger), PostgreSQL, Redis, MySQL, Bun ORM / GORM
Cloud & DevOps: AWS (EC2, S3, RDS, IAM), Docker, Linux (Ubuntu/Debian), Git, SSH, Postman, DBeaver
Frontend & Architecture: Vue.js, React.js, TailwindCSS, Microservices, System Architecture, RBAC, API Documentation

Education

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