Ralph Lozada

Software Engineer

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Visa Status: Requires Sponsorship (Eligible for Highly Skilled Migrant Program) | Open to Relocation

Summary

Performance-focused Software Engineer with over 7 years of professional experience, including 4 years specializing in building and maintaining high-concurrency backend systems with Go (Golang). Highly proficient across the full software development lifecycle with Node.js (Fastify), TypeScript, and RESTful API architecture. Experienced in managing AWS cloud infrastructure (EC2, S3, RDS, IAM) and optimizing PostgreSQL databases with Redis caching strategies. Strong advocate for secure, scalable backend design, RBAC implementation, and containerized Linux deployments.

Experience

Senior Backend Developer
Zip | Makati City, Philippines (Remote) | August 2026 - Present

- Architect, develop, and maintain high-throughput server-side logic, RESTful APIs, and scalable data storage solutions.
- Write clean, maintainable, and highly efficient backend code adhering to industry best practices and modern architectural patterns.
- Collaborate closely with cross-functional teams, including frontend engineers, product managers, and designers, to define and deliver high-quality platform features.
- Design and optimize database schemas, complex SQL queries, and Redis caching strategies to maximize application performance.
- Drive system scalability, application security, and overall backend performance across production microservices.
- Champion code quality by implementing automated unit/integration test suites and participating in rigorous peer code reviews.
- Rapidly troubleshoot and debug complex production issues to maintain high availability and system reliability.
- Author comprehensive technical documentation and drive engineering process improvements to streamline development workflows.

Senior Full Stack Engineer
Emporia Group | Muntinlupa City, Philippines (Remote) | July 2026 – Present

- Architected scalable backend microservices using Go (Golang), translating complex business domain rules into high-throughput REST APIs.
- Managed end-to-end SDLC workflows, covering continuous integration, automated testing protocols, and production service monitoring.
- Optimized application execution paths to resolve system bottlenecks and reduce latency across critical database queries.
- Collaborated directly with product managers and stakeholders to align strategic technical roadmap with core product deliverables.

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

- Managed production AWS cloud environments (EC2, S3, RDS), improving infrastructure stability and full-stack response speeds by 25%.
- Led full-stack feature development as primary engineer, building robust Node.js (Fastify) microservices and responsive React interfaces.
- Implemented automated testing workflows and disciplined code review standards to maintain code quality across all feature releases.

- Maintained clean, structured RESTful API contracts in Node.js (Fastify) to support full-stack feature delivery and backend reliability.
- Refactored legacy modules into reusable code libraries, significantly reducing technical debt and speeding up subsequent sprint deliverables.

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

- Owned full-lifecycle module design and deployment, maintaining core system reliability for high-traffic enterprise APIs.
- Engineered high-performance RESTful APIs using Fastify and Node.js, ensuring 100% compliance with OpenAPI/Swagger standards.
- Executed deep debugging and legacy modernization, resolving critical performance defects and stabilizing core database queries.
- Published internal shared libraries and modular components, reducing feature development turnaround time by 30%.

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

- Built and maintained concurrent backend systems using Go (Golang) over a 4-year period, delivering long-term architectural stability.
- Developed modern single-page frontend interfaces using Vue.js, TypeScript, and JavaScript integrated with REST APIs.
- Administered Linux server environments (Ubuntu/Debian) via SSH/PuTTY, managing service configurations and deployments.
- Containerized application stacks with Docker, ensuring strict environment parity between local development and production servers.
- Authored comprehensive technical guides and developer documentation to accelerate onboarding and client adoption.

Skills

- **Languages**: Go (Golang), JavaScript (ES6+), TypeScript, HTML5, CSS3
- **Backend & APIs**: Node.js, Fastify, RESTful API Design, OpenAPI (Swagger), Bun ORM
- **Frontend Frameworks**: Vue.js, React.js, Angular, Ionic, Alpine.js, TailwindCSS
- **Infrastructure & Cloud:** AWS Amazon Web Services (EC2, S3, RDS, IAM), Docker, Linux (Ubuntu/Debian)
- **Tools & Deployment**: DBeaver, Git, PuTTY/SSH, FileZilla (FTP/SFTP), Postman
- **Databases**: PostgreSQL, MySQL, Redis

Education

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

Language

English - Fluent / Professional Proficiency