Ralph Lozada

Software Engineer

Bacolod City, Philippines | ralph.lozada@outlook.com | +639485929813 | linkedin.com/in/r-lozada
Visa Status: Requires Danish Work Permit Sponsorship / Eligible for Fast-Track Scheme | 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 | Metro Manila, Philippines (Remote) | August 2026 – Present

- Designed, developed, and maintained high-performance server-side microservices, APIs, and data storage solutions to ensure overall system scalability and security.
- Optimized PostgreSQL database schemas, complex queries, and Redis caching strategies to enhance application speed and overall throughput.
- Collaborated closely with cross-functional teams including frontend engineers, product managers, and designers to define technical requirements and ship reliable features.
- Established code quality standards by writing automated test suites, leading peer code reviews, and enforcing clean, maintainable software design patterns.
- Investigated and resolved critical production bugs while authoring detailed technical documentation and driving continuous engineering process improvements.

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
Databases: PostgreSQL, MySQL, Redis
Infrastructure & Cloud: AWS Amazon Web Services (EC2, S3, RDS, IAM), Docker, Linux (Ubuntu/Debian)
Tools & Deployment: DBeaver, Git, PuTTY/SSH, FileZilla (FTP/SFTP), Postman

Education

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

Language

English - Fluent / Professional Proficiency