Librantara Erlangga

Backend Software Engineer
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Professional Summary

Versatile Backend Software Engineer with 5+ years of experience building scalable and reliable systems across startup, fintech, healthcare, and AI environments. Proven ability to design, refactor, and modernize Ruby on Rails and GraphQL architectures, integrate complex APIs, and lead initiatives that improve performance, reliability, and developer productivity. Experienced in backend services, workflow systems, dependency management, and system optimization for production environments.

Professional Experience

CheckProof AB — Backend Engineer (Remote, Sweden-based) — Feb 2026 – Present

- Built the Laravel backend of CheckProof's new Scheduling Tool, automating maintenance task scheduling, expiry deviations, and push alerts on a SaaS platform used in 35+ countries.
- Engineered a task lifecycle monitor that handled a 1M-task backlog in load tests with zero failures or deadlocks, using 75% fewer database calls per status change.
- Built the cutover from the legacy scheduler, moving customers' live maintenance schedules to the new system with one-switch rollback at any point.
- Captured legacy scheduling behavior in characterization tests before the rewrite, giving the team a safety net to replace business-critical code.
- Delivered AI-powered checklist generation (NestJS, AWS Bedrock) that turns complex PDF and Excel documents into ready-to-use inspection checklists.
- Improved production reliability by introducing structured logging and Sentry monitoring for the AI service and resolving critical data-integrity and performance issues in the core platform.

Luce Maintenance Group Pte Ltd — Full-stack Engineer (Hybrid, Singapore-based) — Jan 2025 – Jan 2026

- Led backend scalability, security, and refactoring initiatives across a large monolithic system composed of multiple components.
- Authored and standardized technical documentation for all core components, improving developer onboarding and maintainability.
- Upgraded Rails 7.0 → 7.2 safely by addressing transaction rollback, encryption, and dependency issues, backed by an RSpec and VCR test safety net that grew coverage from 26% to 77% in six months.
- Improved dependency freshness: Backend 26% → 83%, Frontend 25% → 78%.
- Reduced operational errors and improved performance metrics across key systems.
- Proactively monitored application health using Sentry and New Relic.
- Contributed frontend and mobile features using React and React Native.

PrivyID — Backend Engineer (Onsite, Indonesia-based) — Jan 2023 – Nov 2024

- Designed and deployed a high-throughput wallet ID generator in Go, cutting generation time from 2 hours to 5 minutes using goroutines and distributed workers.
- Maintained wallet service handling heavy production load, ensuring reliability and fault tolerance.
- Improved legacy Ruby codebases for performance and maintainability.
- Monitored Datadog dashboards and alerts for real-time observability.
- Collaborated with cross-functional teams to align engineering deliverables with product goals.

Citraraya Nusatama (D'Health) — Development Team Lead (Hybrid, Indonesia) — Jan 2021 – Dec 2022

- Led a team of 5 engineers to build and maintain a hospital information system used by 10+ hospitals.
- Conducted regular code reviews, mentorship, and technical planning sessions.
- Standardized engineering practices, reducing delivery delays and improving code quality.
- Collaborated with QA and product teams to meet feature delivery targets.

Docotel Teknologi — Web Developer (Onsite, Indonesia) — Apr 2019 – Jan 2021

- Developed HIS modules using GatsbyJS (React) and Vue.
- Integrated national healthcare systems — BPJS, eKlaim, SatuSehat — into hospital platforms.
- Built internal mobile apps and accounting modules.
- Contributed to SATPAS (SIM Administration System) under agile workflows.

Key Achievements

At CheckProof (2026–Present)

- Scheduling engine load-tested at 1M tasks with zero failures or deadlocks
- 75% fewer database calls per task status change

At Luce (2025–2026)

- –73% reduction in production Sentry errors
- 100% removal of high-severity security issues
- 32% improvement in fast API call performance (p95 <500ms)
- Rails 7.0 → 7.2 upgrade, backed by a test safety net that grew coverage from 26% to 77%
- Backend dependencies up to date: 26% → 83%

At PrivyID (2023–2024)

- Reduced ID generation time from 2 hours → 5 minutes by redesigning wallet ID generation with Go and distributed workers.
- Improved reliability through proactive system monitoring and performance tuning.

At D'Health (2021–2022)

- Delivered production-grade hospital system used by 10+ hospitals nationwide.
- Standardized team workflows, improving release predictability and code quality.

At Docotel (2019–2021)

- Integrated BPJS, eKlaim, and SatuSehat APIs into HIS modules using GatsbyJS and Vue.
- Contributed to SATPAS (national driver licensing system) under Agile workflows.

Skills

Languages: Go, Ruby, PHP, JavaScript, TypeScript
Frameworks: Ruby on Rails, Laravel, Yii2, React, React Native, NestJS
Databases: PostgreSQL, MySQL, MongoDB
Tools & Platforms: Docker, Git, Linux, Sentry, New Relic, Asynq, Kafka
Practices: Microservices, System Design, API Design (REST/GraphQL/gRPC), Pub/Sub Messaging, LLM Integration, Security & Resilience, CI/CD, Testing (RSpec/VCR), Refactoring, Agile (Scrum/Kanban)

Education

Indonesia POS Polytechnic — Bachelor of Applied Science in Computer Science/Informatics (2019)

Languages

Indonesian — Native
English — Intermediate