Ramadian Nurqolbi

Senior Full Stack Engineer / Systems Engineer

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PROFESSIONAL SUMMARY

Senior Full Stack Engineer with **10+ years** of building and running **enterprise Sales Force Automation (SFA)** platforms, internal business systems, and web & mobile applications. Works as **primary engineer and system owner**, from architecture and backend to mobile apps, integrations, and servers. Domain experience in **FMCG, retail, and pharmaceutical** industries. Also builds and ships products independently with **AI-assisted development** backed by code review and automated tests, most recently Qolcore, a digital-product store with licensing, payments, and WhatsApp automation.

TECHNICAL SKILLS

Languages: PHP, Go, TypeScript / JavaScript, SQL, Bash
Backend: Laravel, CodeIgniter, Slim, REST APIs, payment gateway & webhook integration
Frontend: Angular, Vue.js, React, Next.js, SvelteKit
Mobile: Ionic, React Native, Capacitor, PWA
Databases: PostgreSQL, MySQL / MariaDB, Oracle, PouchDB
Infrastructure: Linux (Ubuntu), Docker, Proxmox, pfSense, MikroTik, Nginx, Cloudflare (DNS, Workers, R2), Vercel, Git
Testing: Go testing (incl. race detector), Vitest, Playwright end-to-end
AI-assisted development: Claude, GitHub Copilot, Cursor, OpenCode

WORK EXPERIENCE

Senior Full Stack Engineer / Systems Engineer

PT Kreasi Informatika Mandiri · Full-time, Remote · Mar 2017 – Present

- Primary engineer and system owner for core **Sales Force Automation (SFA)** and web reporting platforms used by multiple enterprise clients across Indonesia and Southeast Asia.
- Gave clients **visibility into field operations that was previously not visible**: orders, store visits, attendance, promotions, and competitor activity, available for monitoring through web reports.
- Designed and built **modular SFA platforms**: order management, merchandising reports, promotion execution, price and competitor monitoring, store surveys with **geotagging**, and GPS attendance with **anti-fake-GPS validation**.
- Built supporting applications: CRM engagement, quiz & product knowledge, POS, and travel expense management; plus **custom web reporting** aligned with each client's workflow and KPIs.
- Integrated with third-party vendor systems through **REST APIs and direct database integration**.
- Run **infrastructure end to end**: Proxmox virtualization, pfSense firewall, Nginx reverse proxy, automated backups, and large-scale server migrations.
- Develop mobile apps with **Ionic and React Native**, and web apps with PHP and modern JavaScript frameworks.

Full Stack Engineer / Internal Systems Engineer

PT Geo Given Visi Mandiri · Full-time, Hybrid · Jan 2016 – Mar 2022

From Mar 2017 held concurrently with PT Kreasi Informatika Mandiri; the two companies are affiliated through their owners.

- Refactored legacy **native PHP applications to CodeIgniter MVC**, making them easier to maintain and extend.
- Designed and built **internal business systems** across marketing, event operations, SFA, HR, finance, production, and warehouse.
- Built QR-based event attendance, HR recruitment kiosks, purchasing workflows, production monitoring, and warehouse inventory with approval flows and delivery notes.
- Rebuilt and standardized office **network and server infrastructure**, including MikroTik traffic management.

IT Support
PT Geo Given Visi Mandiri · Full-time, On-site · Jan 2012 – Dec 2015

- Maintained office network, servers, and hardware; installed and configured servers, workstations, and printers; daily IT support across departments.

SELECTED PROJECTS

Qolcore — digital product studio & store · qolcore.com

Built as a solo engineer with **AI-assisted tools**, keeping every change reviewed and covered by automated tests.

- **E-commerce store for digital products** with a bilingual (Indonesian/English) storefront and landing page (Next.js, React) and an admin panel.
- **Licensing system**: license keys issued on purchase, with an integration point so other products can **validate licenses directly**.
- **Payment service in Go**: payment gateway integration with signed callback verification (HMAC), plus an admin dashboard (SvelteKit on Cloudflare Workers) with per-account/IP login lockout and re-authentication for sensitive actions.
- **WhatsApp automation** and email notifications for customers.
- Automated test suites: Go tests with the race detector, Vitest unit tests, and Playwright end-to-end tests.

raqolbi.my.id — personal engineering notes & open-source tools · raqolbi.my.id

Personal site (Astro, bilingual) where I document the tools I build, the projects I work on, and what I learn along the way.

- **Open-source tools** on GitHub: interactive Docker Compose managers for **PostgreSQL, MySQL, and MariaDB** (setup, users, SSL, backups), a self-hosted **S3-compatible storage** installer, **AppForge** (deploys prebuilt Node.js/Next.js apps as Docker containers without a build on the server), and **QoLauncher** (a Go runtime that supervises compiled binaries with daily logs and a protected log viewer).
- Engineering notes on architecture, infrastructure, and experiments, including a **26-part programming fundamentals series** with runnable examples in Python, PHP, JavaScript, and Go.

EDUCATION

Bachelor of Information Systems · STIKOM Surabaya