

# Maulana Shalihin

Senior Full-Stack Software Architect

Banjarbaru, Indonesia

maulana@drip.id

maulanabuilds.com

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## SUMMARY:

Pragmatic Software Architect with 11+ years of experience designing, building, and scaling production-ready web applications. Specializing in the Node.js and Svelte and React ecosystems, I bridge the gap between product requirements and scalable cloud infrastructure. I heavily leverage AI-augmented development workflows OpenCode to automate boilerplate and testing, focusing my engineering hours on robust system architecture, database optimization, and secure multi-tenant deployments. Proven track record of operating autonomously in async-first, agile environments.

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## Core Competencies :

### Frontend:

React.js (SPA), Next.js, Svelte/SvelteKit, Tailwind CSS, TypeScript.

### Database & ORM:

PostgreSQL, SQLite, TypeORM, Knex, Drizzle, Raw SQL, Redis

### Backend:

Node.js, Hyper Express, Go, PHP (deprecated), RESTful APIs, WebSockets.

### Cloud & DevOps:

Azure/Vultr/AWS/Google Cloud, Vercel/Cloudflare/Netlify, CI/CD Pipelines.

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## Selected Projects & Architecture Experience :

### Antre.in

Healthcare B2B SaaS

Engineered a multi-tenant queue management platform for medical clinics. Built with Node.js and React. Implemented complex real-time patient synchronization, role-based access control (RBAC), and automated notification systems. Secured isolated tenant data architectures using PostgreSQL.

### KlikAja.app

Link Management & Analytics

Developed a high-performance URL shortener processing deep analytics. Designed the database architecture to handle high concurrency with sub-200ms redirect speeds. Implemented cron jobs and background workers for active link-health monitoring.

### Laju.dev

High-Velocity Framework

Architected a custom web framework using Go/Node.js handling 258,000 requests per second. Designed for extreme infrastructure efficiency (handling 100k+ RPS on a single VPS) and native WebSocket integration for low-latency features.

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## EDUCATION:

**Bachelor's Degree in Computer Science** - August 2010 - December 2014

Brawijaya University, Malang, Indonesia