Rafli Maulana Yusuf Herman

Software Engineer

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Software Engineer with 3+ years of experience delivering 20+ projects, strongest on the front end with React, Next.js, and TypeScript. On the back end, builds REST APIs, authentication, and data models with Node.js, Laravel, and PostgreSQL/Supabase, and has shipped full-stack platforms from database to UI, including a bilingual CMS and a service platform with dashboards and an AI chatbot. Lifted Lighthouse scores to 90–100 and shipped 3 PWAs to Google Play. Builds with AI coding agents using structured planning, project context, reusable agent skills, and MCP tools, validated by code review and testing.

Education

SATU University – Bachelor of Information Systems
2024 – 2028 (Expected) · GPA: **3.86/4.00**

Technical Skills

- **Front-End (Core):** JavaScript, TypeScript, React, Next.js, HTML/CSS, Tailwind CSS, shadcn/ui
- **Front-End (Additional):** Vue.js, Nuxt, Astro, Svelte, TanStack Start, Bootstrap, GSAP, Three.js
- **Back-End:** Node.js, NestJS, PHP, Laravel, Go, REST APIs
- **Databases & ORM:** PostgreSQL, MySQL, MongoDB, Supabase, Prisma, Drizzle
- **Engineering Practices:** PWA, Atomic Design, accessibility (WCAG, ARIA), performance, SEO
- **Auth & Security:** Better Auth, NextAuth, OAuth, Zod, role-based access, secure coding
- **Testing & Docs:** Jest, Vitest, Testing Library, Playwright, Cypress, Storybook, Swagger
- **Deployment & Monitoring:** Git/GitHub, Docker, Vercel, Netlify, Cloudflare R2, Sentry
- **Tools:** Postman, Insomnia, Figma, Midtrans, Google Analytics, Google Search Console
- **AI:** Claude, Codex, Copilot, Gemini, MCP, reusable agent skills, structured planning

Experience

Sawala Technology – Front-End Developer
Freelance · June 2023 – Present | Internship · January 2023 – May 2023
West Java, Indonesia · Hybrid · sawala.tech

- Delivered 15+ production projects across loyalty, ERP, LMS, events, healthcare, and internal tools, building responsive UIs, API integrations, and role-based flows with React, Next.js, and TypeScript.
- Raised Lighthouse scores from 30–40 to 90–100 across performance, SEO, and accessibility through image optimization, lazy loading, semantic HTML, keyboard navigation, and ARIA.
- Built PWA features for 3 applications published on Google Play, along with operational dashboards, reporting workflows, and LMS modules for progress tracking, quizzes, and assessments.
- Integrated Midtrans payment workflows, remediated framework and application vulnerabilities in production, and monitored errors with Sentry.
- Built LivePerson chatbots for Bandung Smart City across WhatsApp, Instagram, Facebook, and web as an AI Developer (June – December 2023), covering integrations, testing, and monitoring.

Nusacaraka Technology – Founder & Lead Developer
March 2026 – Present · Sumedang, Indonesia · nusacaraka.tech

- Built and deployed the company's service platform end to end with Next.js, TypeScript, and Supabase/PostgreSQL, covering customer and admin dashboards, consultation requests, authentication, content management, and an AI chatbot.
- Designed the database schema, REST APIs, and role-based access for customers and admins, and handle deployment and maintenance in production.
- Lead the company's product and services direction, gathering requirements from prospective clients and preparing technical proposals.
- Define requirements and product scope for a knowledge-management SaaS focused on document capture and AI-powered search.

Selected Projects

Boga Kreasi Indah – Interactive Loyalty and Cashier Platform
Sawala Technology · Front-End Developer · 2025 – Present · bogakreasi.id

- Built and maintained the production front end of a loyalty platform serving 12,500+ registered members, using Next.js, TypeScript, Tailwind CSS, and shadcn/ui across customer, affiliate, admin, and cashier modules.
- Developed gamified loyalty features including membership tiers, B-Coin points, voucher rewards, and animated reward claims, alongside transaction history and customer feedback.
- Built cashier workflows for QR-based membership verification, voucher redemption, transaction confirmation, and B-Coin claims used in daily outlet operations.

Bulan Fintech Nasional (BFN) – Event and Exhibitor Platform
Sawala Technology · Front-End & Back-End Developer · 2026 – Present · bulanfintechnasional.com

- Developed the public website and the participant, exhibitor, and admin applications for a national fintech event using Next.js, TypeScript, and Tailwind CSS, with Indonesian and English support.
- Extended back-end REST APIs for exhibitor management, points reporting, and job visibility controls, and connected them to participant and exhibitor workflows.
- Delivered front-end and back-end features with AI coding agents, using structured planning, project context, reusable agent skills, and MCP tools, validated through code review and testing.

Bilingual CMS & Portfolio Platform
Personal Project · Full-Stack Developer · 2026 – Present · raflimaulana.dev

- Built a custom content management system with Astro, TypeScript, PostgreSQL, and Drizzle ORM, featuring an admin dashboard, authentication, bilingual content with fallbacks, scheduled publishing, and media storage on Cloudflare R2.
- Powers a public site with a WebGL 3D scene, scroll-driven animations, and auto-generated social share images, optimized with AVIF image delivery, on-demand loading of heavy scripts, and reduced-motion fallbacks for accessibility.

Bionesia – Biodiversity Genetic Data Platform
Sawala Technology · Front-End Developer · 2026 · datagenetik.id

- Built the front end of a collaborative platform where researchers share and explore genetic data on Indonesian biodiversity, using Vue.js and Nuxt with Indonesian and English support.
- Turned complex scientific records into searchable views, guided submission forms, and an interactive map that plots genetic records by location.

Leadership

One Technology – Chairman & Technology Lead · onetech.studio
September 2025 – Present

- Lead a tech community of 30+ members across 6 divisions, setting the direction for its learning programs and software projects.
- Oversee the development of One Voting and One Event, SaaS products for online elections and event registration with attendance tracking.
- Create learning materials for developers and designers, mentor project and competition teams, and run workshops on AI-assisted development workflows.

Awards & Recognition

- 3rd Place, Web Design Competition - Technoversary, Universitas Kuningan (2025) · View Certificate
- Copyright Registration, SINDES - Baros Village Information System (2025) · View Certificate

Languages

- Indonesian (Native)
- English (Professional working proficiency)