IVAN ROZAK

Fullstack Engineer

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SUMMARY

Fullstack engineer with 5+ years shipping production systems, mostly in TypeScript, across web, backend, mobile, and infrastructure. At YesDok, a telemedicine platform with about 4,000 live video consultations a month, I lead a team of 3, built its most productive B2B integration, and moved video consultations to a self-hosted LiveKit server. I also built YukPuncak end to end: a villa booking product with 40 properties and apps on both stores.

EXPERIENCE

PT Yesdok Indonesia — Jakarta Jan 2022 – Present

Lead Web Developer (2023 – Present) · Frontend Developer (2022 – 2023)

- **Proposed and built the IFG Insurance integration,** embedding YesDok's consultation flow inside IFG's React Native app through a WebView. It became the company's most productive B2B channel.
- **Lead the web team of 3 engineers,** reviewing their code and running production deployments for products that serve about 4,000 live video consultations a month.
- **Proposed and led the migration of video consultation and recording** from browser WebRTC to a self-hosted LiveKit server, chosen over managed providers for predictable cost. Roughly 1 in 5 recordings were corrupted before; the problem has not recurred since.
- **Prototyped and benchmarked LiveKit before proposing it,** then deployed and operate the production server, built the webhook integration with the backend team, and set up self-hosted GlitchTip for error monitoring.
- **Initiated the migration of the consultation service from PHP to Hono and TypeScript,** carried out together with the backend team (in progress).

Rintisan — Remote Nov 2025 – Present

Fullstack Engineer (part-time contract)

- **Building RasaRasa end to end** (in development), a platform for culinary spaces, food brands, and events: Hono API on MySQL, Next.js web and admin panel, React Native app.
- **Migrated the marketing site and billing dashboard** from Vue 3 to Nuxt with SSR and TypeScript, adding TanStack Query for client-side caching.
- **Built the product website and seller/owner dashboard for Kasheer,** an F&B point-of-sale and inventory tool.

PT Nashta Global Utama — Jakarta 2021

Fullstack Developer

- **Built role-based access control for the Indonesian National Single Window (INSW),** the Ministry of Finance system through which all Indonesian import and export trade is cleared.
- **Delivered frontend modules for the Indonesian Customs (Bea Cukai) portal** within a microfrontend architecture shared across multiple teams.

INDEPENDENT PRODUCTS

YukPuncak — Villa Booking & Property Management SaaS 2026

Built as solo engineer · yukpuncak.com · live with 40 properties, now operated by a separate team

- Built the full stack alone: booking engine, property management system, admin dashboard, REST API, and a Kotlin Multiplatform mobile app live on the App Store and Google Play.
- **Designed double-booking prevention in three layers:** Redis locks on availability holds, PostgreSQL transactions with date-overlap checks, and expiring pending reservations cleaned up by a scheduled job.
- Set up production on a Linux VPS with Docker and Dokploy, CI/CD through GitHub Actions, PostgreSQL with automated backups, and Redis.

Pixelleven — Photobooth System 2026

Built as solo engineer · pixelleven.id · now operated by a separate team

- **Built a Windows desktop app in .NET that controls a Canon DSLR over PTP** for capture and printing, extending an open-source PTP library. Ran a full live event without failures.
- **Built the admin dashboard and API** (Next.js, Hono) to manage event sessions and cameras. Each print carries a QR code that opens the guest's photos from their session.

SELECTED FREELANCE WORK (2023 – Present)

- **Daruma:** built the frontend for a B2B e-commerce platform for office tools and supplies.
- **Geolitix:** built and deployed the company web platform on AWS Amplify.
- **Sign-it (PERURI e-Meterai):** built the frontend for a live digital document-signing platform, covering the signing flows and admin dashboards, and integrated PERURI's e-Meterai (digital stamp duty) into the signing process.
- **Also:** GroundRadar (Next.js rebuild with an interactive project map), ASA Indonesia (customer experience platform).

TECHNICAL SKILLS

Languages TypeScript, JavaScript, Kotlin, C#, SQL

Frontend & Mobile React, Next.js, Vue, Nuxt, Tailwind CSS, React Native, Kotlin Multiplatform

Backend Node.js, Hono, NestJS, Express, .NET, REST APIs

Data PostgreSQL, MySQL, Redis

Infrastructure & Tools Docker, Linux VPS, Dokploy, GitHub Actions (CI/CD), Cloudflare, AWS (S3, Amplify), GlitchTip, Git

Real-time LiveKit, WebRTC, WebSocket

AI-assisted work Claude Code and Codex for agentic coding, debugging, UI design (via MCP), and product planning. I plan the architecture and database schema first, and review all generated work before it ships.

EDUCATION

Universitas 17 Agustus 1945 Surabaya — B.Eng., Informatics Engineering 2016 – 2020

Arkademy — Fullstack Developer Bootcamp 2020

LANGUAGES

Indonesian (native) · English (professional working proficiency)