Fariz Wibisono

Full-Stack Software Engineer | TypeScript · React · Next.js · Node.js · PostgreSQL

Cirebon, Indonesia | frzwibisono@gmail.com | frzxw.me | github.com/frzxw | linkedin.com/in/frzxw

SUMMARY

Full-stack software engineer building web and mobile applications since 2021 in product, internship and freelance roles. Works with TypeScript, React, Next.js, Node.js and PostgreSQL across frontend development, backend APIs, data modeling, background jobs, testing and deployment, and uses LLM tools for workflow automation and AI-agent integration. Computer Science undergraduate at Universitas Pendidikan Indonesia.

SKILLS

Languages: TypeScript, JavaScript, PHP, Python, Rust, Dart
Frontend: React, Next.js, Astro, Tailwind CSS, Radix UI, Flutter
Backend: Node.js, Fastify, Express.js, NestJS, Laravel
Data and queues: PostgreSQL, TimescaleDB, MySQL, MongoDB, Redis, BullMQ, Supabase
Testing and automation: Vitest, Playwright, n8n
DevOps and tooling: Docker, GitHub Actions, Cloudflare, Vercel, Git, GitHub, Biome, Turborepo, Postman
AI tools: MCP, OpenRouter, Claude Code, Cursor
CMS: Sanity CMS
Core competencies: System design, Brownfield modernization, REST and WebSocket APIs, Data modeling (PostgreSQL), Background jobs and queues, Automated testing (unit, E2E), CI/CD and code review, Docker and container deploys, Observability, LLM and AI-agent integration (MCP)

EXPERIENCE

Full-Stack Software Engineer, Enclavium 2023 - Present

- Led the brownfield modernization of Invictus from an MVP built around Robinhood Chain (Telegram bot and Express-served web app) into a multi-chain, multi-protocol LP terminal on **seven chains**, serving **1,000+ concurrent users** and **$4M in transaction volume**.
- Re-architected it as a TypeScript monorepo (pnpm, Turborepo): Next.js web, Fastify API with oRPC and WebSockets, per-chain indexers, and BullMQ workers on PostgreSQL with TimescaleDB and Redis.
- Integrated 31 protocol deployments across 15 variants (Uniswap, PancakeSwap, Aerodrome, Meteora) on EVM chains and Solana, normalized server-side into one position model.
- Replaced the MVP's custodial hot wallets with Privy embedded and self-custody wallets so no private keys are stored, and chose TimescaleDB after measuring 30-day event storage at about 22 GB compressed versus 80 GB in plain Postgres.

Technologies: TypeScript, Next.js, Node.js, Fastify, PostgreSQL, TimescaleDB, Redis, BullMQ, Docker, MCP

Software Engineer Intern, PT SCADA PRIMA CIPTA, Bandung, on-site Feb 2026 - Jun 2026

- Re-implemented core modules of PROMIA, a risk-based inspection (RBI) desktop application, as a Next.js web app on SQL Server, working from its screens, workflows and data structures rather than its source code; covered flows with Playwright E2E and Vitest unit tests.
- Built scada.co.id as a static Astro site on Sanity CMS (GROQ, six cross-referenced content types), deployed with Docker on a VPS, so non-technical staff publish without code changes.
- Automated PDF-to-article drafting with an n8n and LLM (OpenRouter) pipeline into Sanity, with field validation, run logging and human review before publishing.

Technologies: Next.js, TypeScript, SQL Server, Playwright, Vitest, Astro, Sanity CMS, n8n, OpenRouter, Docker

Software Engineer (Volunteer), KEMAKOM UPI 2024 - 2025

- Built the Dinamik 19 event website (competition pages, technical guidelines) and the P2M community tourism website.

Technologies: PHP, Laravel, MySQL, JavaScript, Tailwind CSS

Full-Stack Software Engineer (Freelance) 2021 - 2023

- Delivered websites and web applications for clients and communities end to end: requirements, REST APIs (Laravel, Express.js), React and Next.js frontends, MySQL and MongoDB, deployment and handover.

Technologies: JavaScript, TypeScript, PHP, Laravel, React, Next.js, Node.js, Express.js, MySQL, MongoDB, Tailwind CSS, Git

PROJECTS

Invictus, Multi-chain DeFi LP terminal Live

- Multi-chain LP terminal: discover pools, track positions and portfolio value across **seven chains** in one live view, for **1,000+ concurrent users**.
- System design: separate web, API, per-chain indexers and background workers over PostgreSQL with TimescaleDB and Redis, with live updates over WebSockets.

Technologies: TypeScript, Next.js, Node.js, Fastify, PostgreSQL, TimescaleDB, Redis, BullMQ, Docker, MCP | lpinvictus.com

Sakola, Modular multi-tenant school platform Ongoing

- Multi-tenant architecture: isolated schools over shared foundation data, role-based access, modules enabled per school.
- Student savings as an append-only ledger: QR deposits, maker-checker withdrawals, daily cash reconciliation, PDF passbooks.

Technologies: TypeScript, Next.js, PostgreSQL, Tailwind CSS

Rasain, Recipe and cooking app with a step-by-step cooking mode Apr - Jul 2025

- Set up the Flutter app structure and a mock API so the UI could ship before the backend.
- Integrated Supabase (PostgreSQL, auth, row-level security) and built the pantry module with recipe recommendations.

Technologies: Flutter, Dart, Supabase, PostgreSQL | github.com/frzxw/rasain-app

EDUCATION

Universitas Pendidikan Indonesia, Computer Science, undergraduate 2023 - Present

CERTIFICATIONS

Belajar Dasar AI (AI Fundamentals), Dicoding Indonesia | dicoding.com/certificates/2VX34O8VNZYQ 2024