Saepul Malik

Software Engineer

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PROFILE

8 years in software engineering: 5 focused on frontend engineering, 3 as a full-stack developer. Frontend PIC for Inspigo For Business, a config-driven platform serving ~350 client organizations (~35,000 users). Works across the stack: React/Next.js and TypeScript on the front, Laravel and PostgreSQL/MySQL behind it, and the AI and automation in between: a RAG chat assistant and an AI call-center copilot taken from an n8n prototype to a Dockerized service on Azure, shipped through CI/CD on AWS.

EMPLOYMENT HISTORY

Frontend Engineer | PT Inspigo Inovasi Indonesia 2021 – Present

- Built and maintained high-performance web applications using Next.js and React.
- Sliced Figma designs into pixel-accurate, production-ready UI across Inspigo's products.
- Worked in agile sprints tracked in Asana, later ClickUp.
- Owned Inspigo For Business (IFB) as the frontend PIC: designed a config-driven architecture where per-tenant config drives component composition and layout, so enterprise clients onboard through configuration instead of a dedicated build — now ~350 client organizations (~35,000 users).
- Built a reusable form system powering the CMS and readable, non-technical-friendly charts for the admin dashboard.
- Built the frontend for Inspigo AI, a RAG-powered learning assistant: the token-by-token streaming chat UI (WebSocket, later SSE) and the CMS for managing knowledge-base documents, integrated with the backend OpenAI/Bedrock + Pinecone pipeline.
- Built the AI call-center QA copilot end to end — live-call probing, real-time call analysis, and rubric-based QA evaluation — moving QA coverage from a ~10% manual sample to 100% of sessions scored automatically. Prototyped as an n8n workflow, then migrated to a Dockerized service on Azure for a banking-product client.

Tech: Next.js, React, TypeScript, Figma, n8n, Docker, Azure, LangChain, RAG, RTK / Zustand, React Hook Form, Recharts, Storybook, Tailwind CSS

Freelance Full Stack Developer | Independent (various clients) 2024 – Present

- Delivers full-stack projects for different clients alongside the full-time role at Inspigo.
- Insurance product (2024): developed frontend and backend features on Laravel 10 (backend) and React.js (frontend), integrated the Xendit payment gateway, and deployed the application on a Google Cloud Platform (GCP) VPS.

Tech: Laravel, PHP, React, Xendit, GCP

Application Developer | PT Praweda Sarana Informatika (Outsourced by PT Indocyber) 2018 – 2021

- Developed web applications using PHP (Laravel, CodeIgniter, CakePHP) and Vue.js.
- Built a Shipyard Project Management System from the ground up on Laravel + Vue.js + PostgreSQL, centralizing project and warehouse tracking and closing off a prior fraud vector in the inquiry/quotation process.
- Maintained and extended a legacy Trucking Management Application, adding GPS-based route and parking-dwell-time tracking for fleet management oversight.
- Worked with MySQL on the trucking application, using database transactions, triggers, and views.

Tech: PHP, Laravel, CodeIgniter, CakePHP, Vue.js, PostgreSQL, MySQL

Full Stack Developer Trainee | PT Indocyber Global Technology 2018

- Trained in C#, Java, SQL Server, and JavaScript.
- Built a Library Management System using MVC concepts in both .NET and Java Spring — the throughline into the PHP/Vue.js work that followed at Praweda.

Tech: C#, Java, SQL Server, JavaScript, Spring, MVC

EDUCATION

Physics — IPB University, 2013–2017

TECHNICAL SKILLS

Architecture & Concepts: SSR/SSG, State Management Patterns, Web Performance Optimization, System Design, Code Splitting & Lazy Loading, Design Systems

AI Integration: Prompt Engineering, System Prompt Design, RAG Pipeline Design, LLM Integration (OpenAI, Bedrock), Streaming Delivery (WebRTC, SSE)

Frontend Tools & Languages: HTML5, CSS3, JavaScript (ES6+), TypeScript, React.js, Next.js, RTK / Zustand, Tailwind CSS, React Hook Form + Zod, shadcn/ui, Git & GitHub

Backend & Infra: PHP (Laravel, CodeIgniter, CakePHP), PostgreSQL, MySQL, AWS (S3, Lambda, Amplify), Azure, Google Cloud Platform (GCP), Docker, GitHub Actions (CI/CD), n8n, Agora (WebRTC), Firebase, Xendit (Payment Gateway), GTM / GA / MoEngage, Security Tooling (Semgrep, Nuclei, OWASP ZAP)

Soft Skills: Agile/Scrum, Asana / ClickUp, Cross-functional Collaboration, Documentation Writing