

ADE NAFIL FIRMANSAH

Full-Stack Developer

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PROFESSIONAL SUMMARY

Informatics graduate experienced in building end-to-end applications for UMKM e-commerce, enterprise asset management, and university course scheduling. Proficient in TypeScript, React, Laravel, and NestJS across relational databases, REST APIs, background processing, automated testing, and containerized deployment.

EXPERIENCE

Universitas Internasional Semen Indonesia / PT Semen Indonesia

Gresik, Indonesia

Junior Full-Stack Developer, Volunteer Project

December 2025 – August 2026

- Developed SIJAKU, a TypeScript monorepo for university course scheduling, combining a TanStack Start frontend, NestJS API, Prisma ORM with MySQL, and a Bun-based optimization worker.
- Implemented Redis-backed optimization jobs with BullMQ and real-time WebSocket progress, enforcing lecturer, room, capacity, study program, and institutional scheduling constraints.
- Built Excel import/export, PDF timetable generation, role-based authentication, and Docker Compose deployment, supported by more than 170 test files across the API, frontend, and worker.

PT Petrokopindo Cipta Selaras

Gresik, Indonesia

Full-Stack Developer Intern

September 2025 – December 2025

- Developed an internal asset inventory platform using Laravel, React, TypeScript, Inertia.js, and MySQL to manage assets, models, types, locations, employees, and organizational units.
- Implemented asset assignment and return workflows, document uploads, QR-based public asset details, role-based access control, activity logging, and searchable management interfaces.

SIDNOV Indonesia

Gresik, Indonesia

Junior Full-Stack Developer, Volunteer Project

February 2025 – July 2025

- Built a full-stack e-commerce platform for a local UMKM using Laravel, React, TypeScript, Inertia.js, and MySQL, covering product discovery, carts, wishlists, checkout, orders, reviews, and customer accounts.
- Integrated Google OAuth, Tripay QRIS payments, shipping workflows, cashback vouchers, and email broadcasts, alongside an admin workspace for products, content, coupons, orders, and campaigns.

EDUCATION

Universitas Internasional Semen Indonesia (UISI)

2022 – 2026

Bachelor's Degree in Informatics

GPA: 3.72/4.00

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, PHP

Frontend & Backend: React, TanStack Start, Next.js, Inertia.js, Laravel, NestJS, Node.js, Bun, Express.js

Data & Infrastructure: MySQL, PostgreSQL, SQLite, Redis, Prisma, BullMQ

Tools & DevOps: Git, GitHub Actions, Docker, Linux, Nginx, Vite, Turborepo

CERTIFICATIONS

JavaScript Programming: Beginner to Advanced — Programmer Zaman Now, Udemy

November 2023

PHP Programming: Beginner to Advanced — Programmer Zaman Now, Udemy

March 2024