

NASARUDDIN, ST

[Portfolio](#) | [Linkedin](#) | [Github](#)

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About Me

Integrity, accountability, and continuous improvement guide my work as a backend-focused software developer. I build reliable backend services, take ownership of features from design to production, and continuously improve system maintainability. After completing a software engineering bootcamp, I developed the ERM System Information for my current company to digitize Occupational Health and Safety (OHS) processes in alignment with Indonesia's Government Regulation No. 50 of 2012 (SMK3). As the sole developer, I designed the PostgreSQL database, developed RESTful APIs and backend logic using NestJS, and managed deployment, while also building the frontend with Next.js. The system covers the full SMK3 workflow, including a multi-tier approval process for safety findings, digital signatures, PDF/Excel exports, and a PICA module that tracks internal audit findings through to corrective action, replacing manual processes with a centralized digital workflow. It is live and used daily, and I continue to expand and maintain it. My core technical strengths are TypeScript, NestJS, PostgreSQL, REST API development, database design, and backend business logic, with additional experience in React and Next.js. Although I am early in my software engineering career, I bring hands-on experience building and maintaining a production system, a strong foundation in data management and compliance, and a commitment to delivering reliable software. I am eager to deepen my backend engineering expertise and contribute to building scalable, maintainable, and dependable systems.

Working Experiences

Aspiring Software Engineer

Feb 2026 - Present

- Developed [HAAMI \(Hazard Analysis & Awareness Management Integrated\)](#) - OHS platform covering all 12 SMK3 elements under PP No. 50/2012. A multi-tier approval workflow for safety findings, digital signatures, PDF/Excel exports, and role-based access for 3 user tiers.
- Developed [FinTrack \(Personal Finance Management System\)](#) - A full-stack application for managing income, expenses, budgets, and financial goals, featuring real-time financial analytics.
- Created [RevoShop](#) - An e-commerce web application with server-side rendering and live product data integration using the Platzi API.
- Created [RevoFun](#) - static Mandarin learning site with four browser-based vocabulary and number games (HTML5, Tailwind CSS, vanilla JavaScript).

Assistant Safety Engineer | PT. QMB New Energy Materials

Dec 2022 - Present

- Built the backend of the [ERM System Information](#), a production system that digitizes Occupational Health dan Safety processes under PP No. 50/2012, using NestJS, TypeScript, and PostgreSQL; used by 144 users across 57 divisions.
- Designed the PostgreSQL schema and REST APIs for the PICA module, which tracks 1000+ audit findings through to corrective action, cutting follow-up time from about 5 days to 1 day.
- Implemented the approval workflow, digital signatures, and PDF/Excel exports, replacing about 6 hours of manual reporting per month.
- Deployed and maintain the system on a self-hosted server, running continuously since October 2026.

Education

RevoU

Feb 2026 - Sep 2026

Software Engineering Bootcamp, Full Stack

Skills

Technical Skills:

- Backend Framework: NestJS, Node.js, REST API design
- Programming Languages: JavaScript, TypeScript
- Database Management: PostgreSQL (Supabase), MongoDB
- API dan Testing Tools: Postman, Swagger (OpenAPI)
- Cloud and Deployment: Render, Railway, Vercel, Netlify, self-hosted server
- Version Control System: Git, GitHub
- Frontend Framework: NextJS, React
- Package Management : npm, bun

Soft Skills: Ownership, Accountability, Analytical, Problem-Solving, Adaptability, and Fast Learning

Certifications

Full Stack Software Engineering, Issued by RevoU

Oct 2026