Dimas Aldio Ilham Agusta

(Full Stack JavaScript Developer)

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SUMMARY

Full Stack Software Engineer with 3+ years of experience developing enterprise web applications and internal operational systems. Experienced in end-to-end application development using TypeScript, React.js, Next.js, Node.js, NestJS, and SQL/NoSQL databases. Served as the primary developer for full-stack and AI-powered solutions, with hands-on experience in API development, database design, business workflow implementation, and production deployment.

TECHNICAL SKILLS

- Frontend: React.js, Next.js, Tailwind CSS, Ant Design
- Backend: Node.js, NestJS, GraphQL, REST API
- Database: MSSQL, MongoDB
- Others: TypeScript, Git/GitHub, CI/CD (GitHub Actions), Agile/Scrum, LangChain, OpenAI

PROFESSIONAL EXPERIENCE

Full Stack JavaScript Developer - PT Sahabat Daya Mandiri **June 2025 - August 2026**

- Served as the primary full-stack developer responsible for developing an internal workforce and operational management platform using Next.js, NestJS, and MongoDB.
- Collaborated with cross-functional stakeholders to translate business requirements into multi-level approval workflows, implementing the supporting business logic and backend APIs.
- Developed frontend interfaces, backend services, and database structures for employee attendance, manpower tracking, purchase orders, warehouse inventory, supplier management, and project monitoring.
- Managed production deployment and application infrastructure using Ubuntu Linux, Nginx, PM2, and Docker.
- Centralized workforce and project operational workflows into a unified platform, improving data accessibility and reducing reliance on fragmented manual processes.

Full Stack JavaScript Developer - PT Astra International Tbk **June 2023 - June 2025**

Employed via PT Code Development Indonesia, then PT 360

- Developed and maintained enterprise web applications across Astra business units, contributing to full-stack, frontend, and backend development using React.js, Next.js, Node.js, and NestJS.
- Served as the primary developer of Smartstock AI Chatbot, implementing Telegram bot functionality, backend APIs, database integrations, and LangChain/OpenAI workflows, reducing manual administrative effort by approximately 50% based on before-and-after measurements.
- Developed RESTful and GraphQL APIs, database structures, authentication, authorization, and cross-application integrations for the PDP Consent System.
- Developed responsive React/Next.js interfaces for Digiroom and STAR, including API integrations, state management, and reusable components. Contributed to Digiroom's JavaScript migration, following which measured navigation time decreased by approximately 25%.
- Developed backend services for the Building Innovation Management System, implementing trouble-ticket management, approval workflows, role-based access controls, assignment logic, and audit trails.

EDUCATION

University of Islam Indonesia - Electrical Engineering - GPA: 3.6/4.0 **September 2017 - June 2021**

PROJECT HIGHLIGHTS

Smartstock AI Chatbot (Honda Sales Office)

- Served as the primary full-stack developer of an AI-powered Telegram chatbot for sales demand analysis and fulfillment rate monitoring, integrating backend APIs, databases, LangChain, and OpenAI.
- Automated reporting and analysis workflows, reducing manual administrative effort by approximately 50%, based on before-and-after measurements.

PDP Consent System (Astra Sales Office)

- Developed RESTful and GraphQL APIs, designed database structures, and implemented authentication and authorization for centralized consent data management.
- Integrated backend services across multiple internal Astra applications, including query optimization and troubleshooting to improve system performance and reliability.

Digiroom & STAR Front-End Modules (Auto2000 & Astra Motor)

- Developed responsive React/Next.js interfaces for Digiroom News & Tips and STAR Spare Part Stock Opname Scheduling, including reusable components, API integrations, and state management.
- Contributed to Digiroom's JavaScript migration and frontend optimization, with before-and-after measurements showing an approximately 25% reduction in navigation time.

Building Innovation Management System (Astra International)

- Developed backend APIs, database structures, and business logic for building maintenance trouble-ticket management, including approval workflows, ticket assignments, and ownership management.
- Implemented authentication, authorization, ticket status tracking, audit trails, and backend optimizations to support reliable and traceable maintenance workflows.

Contractor Management System PT Sahabat Daya Mandiri

- Served as the primary full-stack developer of an internal workforce and operational management platform using Next.js, NestJS, and MongoDB, covering employee attendance, manpower tracking, purchase orders, warehouse inventory, and project monitoring.
- Implemented stakeholder-defined approval workflows and centralized operational data into a unified platform, improving cross-department visibility and reducing reliance on fragmented manual processes.