DHIO RAHMAPUTRA

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SUMMARY

Backend Engineer specializing in system architecture, scalable relational databases (PostgreSQL, MySQL), and production backend systems. Experienced in refactoring legacy monoliths and deploying Linux-based services with automated monitoring using Laravel and Next.js.

EXPERIENCE

Web Developer Intern
RA-ATAP TELKOM UNIVERSITY │ Jul 2025 – Present

   Project 1: Enterprise Information System (CMS Platform)

- Designed and built a multi-layer full-stack system using Next.js, API routes, Prisma, and MySQL with normalized relational database architecture.
- Implemented secure authentication, session management, and audit logging for administrative operations.
- Developed media pipeline and content management workflows for internal organizational use.
- Automated database migrations, seeding, and deployment workflows using Node.js scripts.
- Reduced manual content management overhead by introducing role-based CMS workflows and admin tools.
- Produced system architecture and deployment documentation to improve maintainability and scalability.

   Project 2: Certification Registration & Management Platform (AMTO System)

- Architected a multi-module certification platform using Next.js, Laravel, and PostgreSQL with containerized services via Docker Compose, supporting full participant lifecycle management.
- Designed enterprise relational schema with composite constraints, enums, triggers, and Row Level Security (RLS) policies.
- Implemented trigger-based audit logging capturing row-level data changes in JSONB format.
- Modeled certification workflows including registration, document review, payment installments, selection, and enrollment pipelines.
- Planned and executed Agile vertical-slice development roadmap delivering MVP and enterprise modules across 12 weekly sprints.
- Enabled end-to-end digital certification workflows, replacing manual registration and document review processes.

Independent Software Engineer (Production Web Platform)
CV RAFA JAYA TEKNIK SEMARANG │ Dec 2025 – Present

- Owned end-to-end development and deployment of a production web platform using Laravel

and MySQL.

- Configured and maintained Linux VPS infrastructure, including Nginx reverse proxy, DNS, and TLS termination.
- Automated monitoring and backup pipelines using cron jobs and custom scripts integrated with Telegram alerts.
- Implemented reliability practices to ensure uptime and operational stability of the production system.

Practicum Assistant (Web Development & Statistics)

Telkom University | Oct 2025 – Present

- Mentored students in web development and statistics, providing technical guidance on backend development and database fundamentals.
- Reviewed student projects and code, improving code quality and technical understanding.

TECHNICAL SKILLS

Languages: PHP, JavaScript, TypeScript, SQL

Frameworks & Libraries: Laravel, Next.js, React

Databases: PostgreSQL, MySQL

Tools & Infrastructure: Linux, Nginx, Git, GitLab, Docker, Docker Compose, Cron, VPS Deployment, Telegram Bot API

Concepts: REST API Design, Relational Database Systems, Database Indexing & Constraints, System Architecture, Authentication & Authorization, Audit Logging, Agile Development

EDUCATION

Telkom University

Associate Degree (D3), Information Systems | Aug 2023 - Jun 2026

Certifications: Microsoft Azure AI Fundamentals (AI-900)

Relevant Coursework: Algorithms & Programming, Database Systems, Web Development, Computer Networks, Discrete Mathematics, Statistics, Management Information Systems

GPA: 3.53 / 4.00 (current)

SMK IPTEK Weru Sukoharjo

Software and Application Development | May 2020 – May 2023

GPA: 3.85 / 4.00

LINKS

GitHub: github.com/raethrahma

LinkedIn: linkedin.com/in/dhiraa

LEADERSHIP

Student Council (OSIS) — Secretary | Mar 2022 – Apr 2023