

AHMAD FADILLAH

Jakarta | ahmad.fadilah0210@gmail.com | www.linkedin.com/in/ahmdfdhilah | +62 896-4710-7815

SUMMARY

I'm an enthusiastic Informatics Engineering student passionate about building impactful digital solutions. With hands-on experience in full-stack development, I've led and contributed to various projects ranging from e-commerce platforms to enterprise systems using modern stacks like FastAPI, NestJS, React, and Laravel. I enjoy solving real-world problems through clean architecture, scalable code, and user-focused design, while actively collaborating with teams to deliver meaningful outcomes.

EDUCATION

Informatics Engineering Student at Sumatera Institute of Technology **August 2021 – February 2025**
Cumulative GPA: 3.72 / 4.0

MariBelajar Data Analyst & AI **February – June 2024**
Average Final Score: 3.975 / 4.0

WORK EXPERIENCE

Bank Indonesia Lampung – Project Based **May 2025 - Present**
Frontend Engineer

- Developed and maintained a comprehensive competition management system frontend using React, TypeScript, and Tailwind CSS with modern UI components from shadcn/ui and Radix UI.
- Collaborated with backend services through RESTful APIs, implementing proper error handling, loading states, and responsive design patterns across multiple user roles (participants, providers, administrators).

LAB ASSISTANT (Website Programming) – Lampung **February – June 2025**
Lab Assistant

- Provided on-demand technical assistance, troubleshooting issues and offering solutions to enhance students' understanding and productivity.
- Mentored students with patience and passion, guiding them through tech challenges to achieve newfound expertise.

Arga Bumi Indonesia – Remote **February 2025 - Present**
Web Developer

- Developed four scalable micro services for a Performance Management System, Company Profile Website.
- Built backend services using FastAPI, PostgreSQL, and Redis with clean architecture and maintainable code structure.
- Worked closely with stakeholders to refine features, ensuring the final products met operational needs and user expectations.

OKOCE Indonesia - Jakarta **June - August 2024**
Intern Web Developer

- Led the complete backend migration of okoce.net from legacy architecture to NestJS, resulting in improved system performance, code maintainability, and scalability.
- Assisted in the development and maintenance of multiple internal and external websites for the organization.
- Acted as a support engineer, staying on standby to respond to and troubleshoot system errors in the organization's information systems, ensuring minimal downtime and smooth operations.

Freelance – Remote **January 2022 - Present**
Software Engineer

- Delivered various web-based solutions including company profile websites, dashboards, e-commerce platforms, e-learning systems, and HRIS (leave & payroll).
- Built custom tools such as web scrapers and dataset annotation platforms.

- Conducted data cleaning and developed AI models for client-specific use cases.
- Focused on scalable and maintainable systems using modern frameworks and best practices.

PUBLICATIONS

Dasar-Dasar Pemrograman Web: Dengan Kerangka Kerja Python Pyramid dan React JS

ISBN: 978-634-7013-04-0

October 2024

As one of the authors, I contributed to this book that provides a comprehensive introduction to web programming using the Python Pyramid framework and React.js. The book covers topics such as server-side development, client-side development, and the integration of the two.

ACHIEVEMENTS

MariBelajar Capstone Project Competition

May - June 2024

Won 2nd place for the best capstone project in the Project Capstone competition at MariBelajar with the project titled "Automated Distributed Approvals System." The Capstone Project involved tackling complex, real-world problems with diverse, structured solutions and adopting appropriate engineering designs under various realistic constraints, enhancing communication, collaboration, and professional empathy. It was a two-month project conducted by a group of 4 members, guided by a mentor, and I served as the group leader.

PROJECT

ITERA E-PARKING SYSTEM

September – December 2024

Developed A smart vehicle access control system integrating RFID and license plate recognition.

Tech Stack: Python (Pyramid), Postgree, React TypeScript, Tailwind CSS, Redux, MQTT (Mosquitto), Redis

- Designed and implemented multi-factor authentication using RFID cards, RFID stickers, and LPR.
- Integrated MQTT protocol for efficient IoT data transfer via Mosquitto broker.
- Utilized Redis for temporary data caching to enhance performance.
- Developed responsive frontend and modular backend architecture.

GADGET STORE SYSTEM

May - June 2024

An e-commerce platform to manage online gadget retail with integrated payment and shipping services.

Tech Stack: NestJS, Postgree, Redis, Docker, JWT, Midtrans, React.js

- Built RESTful APIs with NestJS and implemented JWT for secure authentication.
- Designed relational database schema in MySQL to handle complex entity relationships.
- Integrated Redis for caching and Midtrans for secure payments.
- Used RajaOngkir API for real-time shipping calculations.

SMP ISLAM YPI 1 BRAJA SELEBAH WEBSITE

October – December 2023

Developed A school information system to streamline academic and administrative management.

Tech Stack: Laravel, Mysql, Bootstrap.

- Led the design and development of a dynamic, responsive school website with admin dashboard.
- Facilitated content and user management for teachers, students, and admins.
- Conducted user research and collaborated with stakeholders for optimal UX/UI design.
- Coordinated development efforts and ensured timely project delivery.

SKILLS

- Database Language (MySql, PostgreeSql, MongoDB)
- Backend TechStack (Laravel, NestJs, ExpressJs, Python Pyramid, FastAPI)
- Frontend TechStack (Next.js, React.js)
- Programming Languages (C++, Python, NodeJs, PHP, TypeScript)
- Developing Tools (Docker, Github, Git, VsCode, Postman, Xampp)
- Design Tools (Figma, Canva)
- Cloud Services (Google Cloud Console, Azure)
- n8n Automation AI
- CI/CD Implementation
- Scalable VPS Server Setup & Configuration
- System Monitoring & Alerting