
Mochammad Fadhail Fijratullah

[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

Software Developer | Informatics Engineering Student
Bandung, Indonesia

PROFILE

Applied Bachelor of Informatics Engineering student with hands-on experience in full-stack application development, backend services, RESTful APIs, databases, and web application development. Active in research involving autonomous aerial systems, drone telemetry, IoT, and data-driven applications.

EXPERIENCE

Freelance | Full Stack Developer

Cimahi | 2025 - Present

- Delivered end-to-end full-stack applications tailored to client requirements and business needs.
- Designed and implemented backend services, RESTful APIs, and database architectures.
- Developed responsive frontend applications with attention to usability and performance.

EDUCATION

Applied Bachelor of Informatics Engineering

Bandung | 2023 - Present

Universitas Logistik dan Bisnis Internasional

Science Major

Cimahi | 2020 - 2023

SMA Negeri 3 Cimahi

ORGANIZATIONAL & RESEARCH EXPERIENCE

Informatics Research Center | Divisional Research Coordinator

ULBI | 2025 - Present

- Head of Autonomous Aerial System Research Group (AAS-RG).
- Develop educational autonomous-drone platforms integrating sensors and telemetry systems for aerial research.

SELECTED PROJECTS

Drone Edukit — Community Service Project

Development of an Arduino-based drone platform to support STEM learning at SMK Negeri 1 Rancaekek.

Student Behavior Analysis — Research Grant Project

- Designed a real-time data acquisition system using PIR, LDR, and DHT22 sensors to record learning behaviors and environmental conditions.
- Analyzed IoT datasets with Machine Learning algorithms to identify behavioral patterns and evaluate student engagement levels.

AerialCast

Python | React | PostgreSQL | MQTT

Developed a real-time drone telemetry platform using LoRa for low-latency monitoring of GPS coordinates and battery status.

TECHNICAL SKILLS

Programming Languages: Go, Python, PHP, TypeScript

Frameworks & Libraries: Next.js, Laravel, Flask, Tailwind CSS

Databases & Infrastructure: MongoDB, MySQL, Docker, Linux

Development Tools: Git, GitHub, VS Code, Postman

CERTIFICATIONS

Java Programming

Oracle Academy — 2024

Database Design

Oracle Academy — 2025

Database Programming with SQL

Oracle Academy — 2025
