

MUHAMMAD AZZAM IZZUDDIN

Software Engineering Student | Full-Stack Developer | System Analyst

Cimahi, West Java, Indonesia | 0813-1329-0722 | azzamizzuddin.13@gmail.com | github.com/azzami13

PROFESSIONAL SUMMARY

D3 Informatics Engineering student at Politeknik Negeri Bandung with hands-on experience in full-stack development, system analysis, and deployment. Experienced in building web, mobile, and WebGIS applications using Next.js, Django, NestJS, Laravel, Kotlin, PostgreSQL/PostGIS, GraphQL, REST API, WebSocket, and cloud deployment workflows. Strong background in requirements analysis, SRS documentation, UML/BPMN modeling, database design, and iterative prototyping.

CORE SKILLS

Programming	Python, TypeScript/JavaScript, PHP, Kotlin, Java, C, C++, SQL
Frontend	Next.js, React, Tailwind CSS, HTML, CSS, Responsive UI
Backend & API	Django, NestJS, Laravel, GraphQL, REST API, WebSocket, TypeORM
Database & GIS	PostgreSQL, PostGIS, Room, ERD, PowerDesigner, QGIS, OSM/GeoJSON
Cloud & Tools	AWS, Vercel, Supabase/Neon, Docker basics, Git/GitHub, CI/CD basics
Analysis & Design	SRS, BPMN, UML, Use Case, Class/Sequence Diagram, Figma, Testing

EXPERIENCE

Software Engineering Intern | PT Labtech Inovasi Indonesia -

2025

Bandung

- Analyzed business requirements and produced SRS documentation to define scope, features, actors, and system workflows for a marketplace and service platform.
- Developed backend services and GraphQL APIs using Django and PostgreSQL to support product, service, transaction, and user-management modules.
- Built responsive frontend interfaces using Next.js and supported real-time service tracking/status updates with WebSocket.
- Created web scraping workflows to collect market pricing data and supported testing, deployment, and technical documentation.

SELECTED PROJECTS

Cimitage Tourism - WebGIS for Cimahi Heritage & Sakoci Route Optimization - Final Project with Disbudparpora Cimahi and HPI |

Next.js, NestJS, PostgreSQL/PostGIS, Leaflet, QGIS, OSM, OSRM, Dijkstra

- Developed a WebGIS concept to centralize cultural heritage data, tourism package booking, driver navigation, live tracking, and admin monitoring.
- Implemented route optimization logic using graph-based shortest path concepts and spatial data preparation from OSM/QGIS/PostGIS.

TukangKomputer Marketplace & Service Platform - PT Labtech | Django, GraphQL, Next.js, PostgreSQL, WebSocket

- Contributed to requirements analysis, system design, backend, API, frontend, UI, service tracking, scraping, and deployment support.

Kalium Mobile Application - Academic Project | Kotlin, Jetpack Compose, Room, PostgreSQL, Nutrition API

- Built a health monitoring mobile app for food intake, calorie calculation, water reminders, activity tracking, and healthy food recommendations.

SIKAHIM - Mosque Activity Management System - Academic Project | Laravel, PostgreSQL, Tailwind CSS, Figma

- Developed event management, online registration, evaluation, notification, authentication, and CRUD modules for mosque activities.

EDUCATION & ACTIVITIES

Politeknik Negeri Bandung - D3 Teknik Informatika, 2023 – Present | Current GPA: 3.23/4.00 | Expected graduation: 2026

- Himpunan Mahasiswa Komputer: Staff Muda Rohani Islam (2024-2025), Staff Ahli Keilmuan dan Keprofesian (2025-2026).
- Languages: Bahasa Indonesia (native), English (working proficiency).

PORTFOLIO LINKS

GitHub: github.com/azzami13 | LinkedIn: www.linkedin.com/in/muhammad-azzam-izz