



Muhammad Azka Adhisetama

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PROFESSIONAL SUMMARY

Full stack Developer with 2 years of experience in designing database systems, developing RESTful APIs, WebSocket, etc. Building backend systems using PHP, Node, or C# and frontend with React or Livewire, also fluent in both Sass and TailwindCSS. Experienced in working with Linux environments. Able to configure Nginx, manage servers with SSH or CPanel. Proficient with Git flow and able to work collaboratively within a team. Has experience configuring CI-CD pipeline with GitLab and Jenkins. Also able to write tests for both UI and backend.

EDUCATION

Universitas Gadjah Mada, Yogyakarta

August 2021-2025

Bachelor's degree in Information Engineering, Faculty of Engineering (CGPA: 3.25)

PROFESSIONAL EXPERIENCE

Data Extraction for Scientific Article, *Research Assistant* 2023

- Designed SQL data models and extraction pipelines for scientific article content from PDFs.
- Developed a distributed system for PDF crawling and processing.
- Built a web viewer prototype for structured PDF content with CodeIgniter4.

PT Jala Akuakultur Lestari Alamku, *Software Engineer Intern* 2024

- Developed application features for processing pond log inputs (pH, temperature, etc.) using OCR.
- Built APIs to manage extracted data into the database.
- Conducted field observations to understand real data workflows and collect sample datasets.

IoT Engineer Camp Real Project Indobot Academy, *Contract Programmer* 2025

- Designed the backend for an IoT monitoring system: sensor logging, irrigation control, and fruit maturity detection using ESP32-CAM with C++.
- Developed a web dashboard, IoT device APIs, and Telegram bot integrations for notifications.

PT ENOVA Cakra Digital, *Technology Director* 2025

- Developed an enterprise Document Management System (DMS) as a SaaS platform.
- Designed system architecture and data models and implemented them using Laravel and Livewire.
- Deployed the system on Linux servers and integrated additional cloud architecture.

Formulatrix Indonesia, *Software Engineer Internship* 2026

- Works on project STACK: Intelligent Automation System and Rock Imager: Protein Crystallization Imagers
- Developed and optimized the web-app and API connected with microcontrollers using SignalR
- Uses React-TS with Redux for frontend and ASP.NET for backend

AWARDS AND ACHIEVEMENTS

Finalist – National ICT Competition (GEMASTIK) 2023

Developed an EV charging system prototype using national ID (NIK) authentication.

Finalist – COMPFEST: Data Analytic Dash 2024

Created the “Inclusive Education in Indonesia” dashboard using Tableau with national datasets.

Finalist – National ICT Competition (GEMASTIK) 2024

Developed a platform connecting farmer groups, distributors, and clients for agricultural auctions in Yogyakarta.

Finalist – Arkavidia: Datavidia 2024
Developed forecasting and prediction machine learning models and presented data engineering results.

LEADERSHIP AND ACTIVITIES

Ramadan on Campus Committee (RDK) 1444 H 2023
Handled LAN infrastructure, camera systems, and daily live-streaming setups.

University Volunteer Program for Rural Areas (KKN-PPM) 2024
Led the development of a promotional website for Gerak Makmur Village, Southeast Sulawesi, to support local tourism potential.

CONFERENCE (PEER REVIEWED)

Field-Weighted Citation Impact Measurement for Indonesian Scientific Publications Using GROBID and Zero-Shot Text Classification

M. A. Adhisetama, I. Soesanti, S. Wibirama and I. M. Ibnu Subroto, *2025 12th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI)*, Semarang, Indonesia, 2025, pp. 39-43, doi: 10.1109/EECSI67060.2025.11290568.

SKILLS AND OTHER INFORMATION

Programming and IT Skills : JavaScript/TypeScript, PHP, Python, C#, Database (SQL/NoSQL), CSS (native/Sass), CI/CD, Linux, Microcontroller

Language proficiency : Indonesia (native), English (TOEFL ITP: 647, IELTS: 7.5)

Interests : Playing guitar, writing blog