



AHMAD ZULKARNAEN

Software Engineer

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SUMMARY

Enthusiastic Computer Science student with a strong foundation in software development principles and a deep interest in Software Engineering. Demonstrates strong analytical and problem-solving skills, eager to apply theoretical knowledge and contribute to challenging software engineering projects through an internship program.

PROJECTS

Digital Menu Ordering System "RestoMenu" | [GitHub: User / Admin](#) | Demo: [User / Admin](#)

A QR code-based restaurant ordering system with an admin dashboard. Built using Next.js, Firebase, and Midtrans.

- Features: Customer ordering, online payments, menu management (CRUD), real-time order monitoring, and sales analysis with Chart.js.
- Security: Separate authentication for customers and admins.

Fuzzy Logic-Based Flood Early Warning System | [GitHub](#)

A system for predicting potential flood levels using a Fuzzy algorithm with an interactive dashboard.

- Key Contribution: Designed the Fuzzy algorithm (Python) to process sensor data and built the real-time visualization dashboard (React/Next.js, Chart.js).

Karawang Developer Community Web Portal | [GitHub](#) | [Website](#)

Developed the official information and activity hub for the Karawang Dev community using Next.js, TypeScript, Supabase, and Tailwind CSS.

- Key Contribution: Managed end-to-end frontend development, from implementing key features (event info, blog) to deployment and maintenance on Vercel.

ORGANIZATIONAL EXPERIENCE

Software Division Laboratory Assistant, Faculty of Computer Science, UNSIKA Jan 2025 - Present

- Guided 30+ students in Web-Based Programming labs, from troubleshooting code (JavaScript, PHP) to building responsive web layouts using CSS Flexbox & Grid.

Head of Education Division, Informatics Student Association, UNSIKA Jan 2025 - Present

- Led the entire program cycle for the Education Division, from planning and organization to execution.

Staff of Education Division, Informatics Student Association, UNSIKA Jan 2024 - Nov 2024

- Chief Executive, IT Week 2024: Led the entire event series (competitions, webinars, workshops), successfully attracting over 700 participants.
- Coordinator & PIC: Managed logistics for an IT Bootcamp and handled the technical aspects of a Typing Competition at the Semantik 8.0 event.

EDUCATION

Bachelor of Informatics | Karawang, Indonesia Aug 2023 - Present

Singaperbangsa Karawang University

- GPA: 3.79 / 4.00
- Relevant Coursework: Software Engineering, Software Design Patterns, Web Programming, Programming Algorithms, Data Structures, Databases, Object-Oriented Programming, Object-Oriented Analysis and Design.

SKILLS AND CERTIFICATIONS

• Technical Skills

◦ Languages:

- Proficient: JavaScript, TypeScript, Kotlin, Dart
- Familiar: C++, C, Java, PHP, Python, GoLang

◦ Frameworks & Libraries: Next.js, React, Flutter, Laravel, Bootstrap, Tailwind, Material UI, Android SDK, Docker, Supabase, Firebase

◦ Tools: VS Code, IntelliJ IDEA, WebStrom, Android Studio, Docker, Trello, MySQL, Postman, Vercel

• Soft Skills: *Communication, Team Work, Leadership, Problem Solving, Emotional Intelligence.*

• Languages: Bahasa Indonesia (Native), English (Professional Working Proficiency)

• Certifications: BNSP Junior Web Developer, GitHub Foundations.