

Wahyu Andika Putra

Software Engineer, Full-Stack Development, Mobile, Web3

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PROFESSIONAL SUMMARY

Software developer with strong interest in full-stack development, Web3, blockchain, cybersecurity, and modern software engineering. Experienced designing and developing web and mobile applications across frontend, backend, database, and API layers. Focused on scalable, maintainable, production-oriented software while developing expertise in secure application architecture.

SELECTED PROJECTS

QEFI, Trading Platform Web Application

Technologies: Next.js, React, TypeScript, Tailwind CSS

- Designed a modern, usability-focused interface for a feature-rich, exchange-style trading platform demo.
- Built multiple trading and portfolio management modules within a modular frontend architecture.
- Structured the application for responsive layout and performance across devices.

Akademi Crypto, Learning Management System

Technologies: Express.js, Node.js, MongoDB, REST API

- Designed backend architecture using Express.js and Node.js for a learning management system.
- Integrated MongoDB for structured data persistence and content management.
- Built REST API infrastructure to support course and learning workflows.
- Structured the backend around a modular architecture to support scalable feature development.

Fake GPS, Mobile Location Application

Technologies: Flutter, Dart

- Developed a Flutter and Dart mobile application for simulating device location.
- Designed a responsive, clean user interface for location configuration workflows.
- Structured the application to prioritize interface clarity and reliability.

School Management System, Integrated School Management Platform

Technologies: Next.js, React, TypeScript, Tailwind CSS

- Built an integrated school management platform supporting multiple administrative workflows.
- Structured the system around a modular, multi-workflow architecture.
- Developed interfaces addressing diverse administrative use cases.
- Implemented reusable components to maintain UI consistency across modules.

TECHNICAL SKILLS

Programming: TypeScript, JavaScript, Python, Dart, Solidity, SQL

Frontend: Next.js, React, Vite, Tailwind CSS, HTML, CSS

Backend: Node.js, Express.js, Fastify, REST API

Database: MongoDB, PostgreSQL, MySQL, Supabase, Drizzle ORM

Mobile: Flutter, Dart

Blockchain and Web3: Solidity, EVM, Smart Contracts, Web3 Architecture, DeFi Fundamentals

Cybersecurity: Secure Coding, Web Security, Authentication and Authorization, Threat Modeling, Vulnerability Assessment

Development and Infrastructure: Git, GitHub, Linux, Docker, CI/CD, Cloud Deployment

TECHNICAL INTERESTS

Full-Stack Software Engineering, Web3 and Blockchain, Cybersecurity, Smart Contract Security, Secure Software Engineering, Application Architecture, Cloud and Infrastructure, AI-Assisted Software Engineering, Digital Asset Technology, FinTech.

CERTIFICATIONS AND ACHIEVEMENTS

- 3rd Place, IT Software Solutions for Business category, Lomba Kompetensi Siswa (LKS) SMK Kabupaten Wonosobo, organized by MKKS SMK Kabupaten Wonosobo. Achieved in two consecutive editions: 2025 (5-8 February 2025) and 2026 (3-5 February 2026).
- Participant, Cyber Security Competition (Piala Gubernur Jawa Tengah), SMA/SMK and equivalent level, Central Java Province, organized by Dinas Pendidikan dan Kebudayaan Provinsi Jawa Tengah, 13-20 December 2025.

EDUCATION

SMK Negeri 1 Sukoharjo, Wonosobo, Central Java, Indonesia

Rekayasa Perangkat Lunak (Software Engineering), 2025-2027 (in progress)