

WAFIK ULINNUHA

Backend Developer | Full-Stack & DevOps Engineer
Daerah Istimewa Yogyakarta, Indonesia | [linkedin.com/in/wafikulin](https://www.linkedin.com/in/wafikulin)

PROFESSIONAL SUMMARY

Results-driven Backend and Full-Stack Developer with over 5 years of experience designing, developing, and deploying scalable SaaS platforms, enterprise web applications, and cross-platform mobile solutions. Expert in modern JavaScript/TypeScript (Next.js, Elysia.js/Bun), Golang, Laravel, Flutter, and PostgreSQL, with strong DevOps proficiency in Docker, Nginx, and Ubuntu server deployments. Proven ability to architect secure multi-tenant systems, implement HRIS/payroll with biometric authentication, build POS/inventory platforms with double-entry accounting, and integrate payment gateways. Passionate about clean code, system optimization, and continuous learning to deliver high-performance, maintainable software solutions.

PROFESSIONAL EXPERIENCE

Backend Developer & OutSystems Developer

CV Adaptive Kreasi Teknologi — Sleman, Yogyakarta, Indonesia | January 2021 – Present

- Lead end-to-end development of high-impact web and mobile applications for retail, construction, HR, and government clients.
- Architect and maintain scalable backend services with Elysia.js (Bun), Golang, Laravel (Octane/Inertia), and PostgreSQL with PgBouncer for multi-tenant SaaS platforms.
- Design and implement deployments using Docker containers, Nginx reverse proxy, and Ubuntu VPS for optimized cloud infrastructure.
- Develop feature-rich Flutter mobile applications with advanced capabilities including face recognition for automated attendance and biometric verification.
- Modernize legacy systems by migrating to Laravel 12, Inertia React, and Laravel Octane, improving performance, security, and developer experience.
- Collaborate closely with stakeholders to translate complex business requirements into robust technical solutions across POS, inventory, finance, HRIS, and reporting modules.

SELECTED PROJECTS

Gatsu.id — Multi-Tenant SaaS Retail POS, Inventory, Finance & HR Platform

Lead Full-Stack & DevOps Engineer | January 2026 – Present

- Built and actively maintain a modern multi-tenant SaaS platform serving retail/UKM businesses with integrated POS, real-time inventory & stock management, double-entry accounting, financial reporting, simple HRIS, and online store management.
- Implemented multi-language support (3 languages), secure tenant isolation, role-based access control, and optimized database queries using PostgreSQL + PgBouncer.
- Tech stack: Next.js (frontend), Elysia.js + Bun (backend), PostgreSQL, Docker, Nginx on Ubuntu server.

Gatsu.cloud — Multi-Tenant Online Store Platform

End-to-End Developer | March 2026 – Present

- Developed dedicated online store platform deeply integrated with Gatsu.id, featuring multi-subdomain support for individual store URLs.
- Built complete user flow allowing seamless creation and management of online stores directly from the main SaaS dashboard.
- Tech stack: Next.js (frontend) + Golang (backend microservices).

Ventri Farm — Farm Management Mobile Application (farm.ventri.id)

System Architect & Flutter Developer | March 2026 – Present

- Designed overall system architecture, database schema, and application flow for comprehensive farm management solution.
- Developed native Android application using Flutter with offline-first capabilities and real-time synchronization.

- Responsible for all technical decisions, technology selection, and code quality standards.

Visindo Maju Sejahtera — HR & Payroll System Upgrade

Lead Full-Stack & Mobile Developer | April 2026 – Present

- Led major upgrade of existing Visindo management system by adding comprehensive HR and payroll modules with automated calculations.
- Developed and integrated face recognition-based attendance system using Flutter mobile app + Golang backend APIs for secure, contactless check-in.
- Tech stack: Laravel (web admin), Golang (HRIS APIs), Flutter (mobile with ML Kit face recognition).

Additional Notable Projects (2023 – 2025)

- **Revamp of Izidok.id (Jul 2025 – Jan 2026):** Led full platform modernization using Laravel 12 with modern full-stack architecture, significantly improving performance, security, and user experience.
- **Disnaker Sorong Kota Company Profile (May – Jun 2025):** Built SEO-optimized public website with custom CMS and worker rights violation reporting system using Laravel 12.
- **Sistem Informasi Manajemen Visindo Upgrade (Jun – Jul 2025):** Added 5 business modules, submission workflows, project management, and basic accounting; optimized server with Laravel Octane on VPS.
- **Indonesia Emas (Sep – Nov 2024):** Created automated Excel data processing and financial calculation system using Python Flask and headless LibreOffice.
- **NNA DMS (Apr – Aug 2024):** Implemented enterprise document management system on OutSystems low-code platform.
- **Hi Talent HR Attendance System (Jan 2024):** Designed RESTful APIs and integrated face recognition technology for automated attendance tracking across admin panel and mobile application.
- **BSI OPRISK (Nov 2023 – Jan 2024):** Built backend APIs supporting operational risk dashboard monitoring and regulatory LPRO reporting from KRI, RCSA, IAM, and CT modules.
- **Isi Tumbler E-commerce (Sep 2023):** Architected complete full-stack e-commerce platform (frontend, backend, APIs, server infrastructure) with Espay payment gateway integration.
- **Visindo Konstruksi Web Admin (Sep 2023):** Developed comprehensive admin dashboard with sub-company, accounting, precast production, and maintenance modules.
- **Sangfor.com Enhancement (Jul – Oct 2023):** Added new features and custom APIs using Drupal backend and Alpine.js frontend.

TECHNICAL SKILLS

Backend & API Development: Elysia.js (Bun), Golang, Laravel (Octane, Inertia.js), NestJS, CodeIgniter, Python (Flask), OutSystems, Drupal, RESTful API Design

Frontend & Mobile: Next.js, React, Inertia.js, Flutter, Alpine.js

Databases: PostgreSQL (with PgBouncer), MySQL

DevOps & Infrastructure: Docker, Nginx, Ubuntu Server, VPS Management, Cloud Deployment, Laravel Octane, Server Optimization

Specialized Domains: Multi-Tenant SaaS Architecture, POS & Inventory Management Systems, Double-Entry Accounting & Financial Reporting, HRIS & Payroll Systems, Face Recognition Integration, Payment Gateway Integration (Espay), Multi-Language Applications, System Architecture & Technical Leadership

EDUCATION

Master of Informatics (Magister Informatika)

UIN Sunan Kalijaga Yogyakarta | 2020 – 2022

Bachelor of Informatics Engineering (Sarjana Teknik Informatika)

Institut Sains & Teknologi AKPRIND | 2015 – 2019

Vocational High School – Computer Engineering & Informatics

SMK Negeri 1 Wanareja | 2011 – 2014 | Foundational programming, networking, and computer hardware skills