

FARIS ANUGRAH

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Profile

Informatics Engineering undergraduate with experience in backend development, system analysis, and scalable server-side architecture. Proficient in PHP, Laravel, Node.js, and MySQL, with hands-on experience designing database schemas, analyzing business requirements, building RESTful APIs, and delivering full-stack projects across enterprise and IoT domains.

Education

Dian Nuswantoro University

September 2023 – April 2027 (Expected)

Majoring in Informatics Engineering

Semarang, Indonesia

- Cumulative GPA: 3.79 out of 4.00
- Became part of the DRC (Dinus Robotic Club) Desktop Division.
- Member of Google Developer Group on Campus since semester 3.

Experiences

Bengkel Koding

Agustus 2025 – Present

Backend Developer

- Built and maintained scalable, secure server-side architecture for the Alumni Apps.
- Implemented query optimization, caching, and consistent API design patterns to maintain performance and code quality.

Research Assistant Lab IoT Nexa

- Developing backend infrastructure for an IoT-based fleet management system, focused on sensor data integration and real-time tracking.
- Designed and developed RESTful APIs for the Fleet Management System (SaaS), covering business logic, data processing, and third-party integrations.

Teaching Assistant

- Delivered weekly web development sessions for 30 students, covering Laravel and MVC architecture.
- Evaluated student projects and provided feedback to strengthen their understanding of fullstack development and software quality.

RISTACK

November 2025 – Present

Full-Stack Developer

- Contributed to building a Laravel-based modular business application covering 4 core modules: Quality Control, Raw Material Intake, Attendance, and Payroll for PT. Lims Yanwo Indonesia.
- Designed database schema and system flow to reflect real-world operational processes, improving adoption by the operational team.

Badan Pusat Statistik

August 2025 – September 2025

Backend Developer

- Developed SiTuguMuda (formerly Perfor ma360), an internal performance assessment platform for BPS employees using Express.js and Node.js.
- Configured environments, database schemas (migrations & seeding), API documentation, and implemented RBAC across 3 hierarchy roles (Penanggung Jawab, Pengawas, Pencacah) to enforce data access control.
- Built bulk Excel import/export functionality to reduce manual administrative overhead.

Modular Business Application Suite - PT. Lims Yanwo Indonesia

FullStack Engineer

- Contributed to the development of a Laravel-based modular application ecosystem comprising 4 core modules: Quality Control (Grading), Raw Material Intake Recording, Attendance, and Payroll.
- Designed the database structure and system flow to align with real-world business processes, ensuring the application runs logically and is easy for the operational team to adopt.
- Supported the project lifecycle from requirements gathering to deployment, ensuring the product was technically well-structured and effectively supported the company's daily operational efficiency

FleetTrack

Backend Engineer

- Designed backend infrastructure and database structure for an IoT-based fleet management system, focused on real-time tracking and vehicle sensor data integration using Laravel.
- Implemented the MQTT protocol (Mosquitto) as a message broker to ensure efficient, stable, and low-latency data communication between devices.

SiTuguMuda (Performa360) - Badan Pusat Statistik

Backend Engineer

- Implemented RBAC across 3 hierarchy roles (Penanggung Jawab, Pengawas, Pencacah) to enforce data access control.
- Developed bulk Excel import/export, reducing administrative overhead for data entry and reporting.
- Defined database schema (migrations & seeding) and wrote API documentation to support smooth onboarding and deployment.

WhatsApp Reminder Bot - Freelance (Client: Nasmoco)

Backend Engineer

- Developed an automated WhatsApp reminder system using Node.js and whatsapp-web.js, enabling scheduled message delivery to multiple recipients without manual intervention.
- Integrated Google Sheets API as a no-code dashboard, allowing non-technical users to manage message schedules, recipients, and content independently.
- Implemented broadcast segmentation (ALL, SPV, BM groups) and message personalization using dynamic {nama} placeholders, supporting targeted communication across 18+ recipients.

Alumni UDINUS WEBSITE

Backend Engineer

- Designed and developed a comprehensive alumni management portal to strengthen communication between the university and its alumni network, covering authentication, announcements, discussion forums, and alumni stories.
- Implemented real-time notification system using WebSocket (Laravel Reverb) and integrated Google OAuth with cross-domain session management for seamless alumni authentication.

Certifications

- BNSP Certification Scheme Of Web Developer, April 2026 
- Associate Data Scientist – VSGA Komdigi, July 2025 

Skills

Frameworks & Libraries: MQTT, IoT, PHP, Node.js, JavaScript, Python, Tailwind Css, Laravel, Express, Bootstrap.

Database & Tools: Git/GitHub, Microsoft Office, Linux, Docker, MySQL, PostgreSQL

DevOps & Deployments: Linux VPS (Ubuntu), PM2, WebSocket, Google API.

Analytical Skills: System Analyst, Business Requirements Analysis, Database Design, API Design, Technical Documentation