# Muhammad Hassan Naufal Zayyan

Backend Developer

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## PROFILE

D3 Informatics Engineering graduate experienced in Laravel APIs and relational databases for attendance and reporting applications. Contributed Next.js/TypeScript and Flutter/Dart features, with Docker deployment on Ubuntu VPS. Completed SAP Professional Fundamentals on the SAP ecosystem and implementation lifecycle.

## TECHNICAL SKILLS

**Programming & query languages:** PHP, Dart, TypeScript, SQL

**Frameworks & libraries:** Laravel, Next.js, React, Flutter, Inertia.js

**Databases:** MySQL, PostgreSQL

**State & data management:** Provider, Riverpod, TanStack Query

**Deployment & tools:** Docker, Ubuntu VPS (Linux), Nginx, Git, GitHub Actions, Postman

## WORK EXPERIENCE

**Backend Developer | Project-based Client Work | Sep 2025 - Sep 2026**

Two village-government projects in two-person teams, covering backend, deployment, and frontend/mobile contributions.

**SIPANDAI Rembes | Attendance and performance reporting | Aug - Sep 2026**

- Developed the Laravel API and PostgreSQL database for 13 officials to record attendance, process leave approvals, and generate monthly PDF/Excel recaps from daily reports.
- Implemented geofence validation, duplicate check-in prevention, and audit logs to trace corrections. Deployed using Docker, Nginx, and GitHub Actions.
- Added Next.js/TypeScript API hooks and camera/geolocation updates. Fixed session and PWA cache issues.

**AGEN - Absensi Gedangan | Face-recognition attendance | Sep 2025 - Feb 2026**

- Built the Laravel API and MySQL database supporting a Flutter attendance app for 13 staff, including face enrollment and verification using MobileFaceNet embeddings.
- Updated Flutter/Dart date filters for attendance review, Provider-based sessions, and face-processing components.
- Deployed the application using Docker and Nginx, with automated deployment through GitHub Actions.

**Backend Developer Intern | Diskominfo Kabupaten Semarang | Aug - Dec 2025**

- Developed TowerTrack with Laravel, Inertia.js, and MySQL. Migrated spreadsheet records into a searchable telecom-infrastructure map with coverage calculations and public reporting. Packaged the app with Docker.

## SELECTED PROJECT

**Bang Deliv | D3 Final Project, Politeknik Negeri Semarang | Team of two | 2026**

Ride-hailing and errand-service application with an AI chatbot.

- Built and deployed the Laravel REST API and MySQL database for customer/driver apps and an admin dashboard, supporting orders, assignment, tracking, chat, and payments.
- Integrated the Gemini API to convert conversational customer requests into structured JSON orders.
- Implemented Flutter/Dart changes for chatbot merchant selection and order cancellation, using Riverpod to manage session and order state.

## EDUCATION

**Politeknik Negeri Semarang** | D3 Informatics Engineering | Sep 2023 - Aug 2026 | GPA 3.86/4.00

**Universitas Dian Nuswantoro** | Information Systems, bachelor's studies in progress (RPL, online) | 2026 - Present

## CERTIFICATIONS & TRAINING

**SAP Professional Fundamentals** | SAP via Coursera | Oct 2026

**Database Programming with SQL** | Oracle Academy | Dec 2024

**Database Design** | Oracle Academy | Oct 2024

**Certified Associate - Big Data Analyst** | SOLUSI247 | Aug 2026

**Business Analytics for Decision Making** | University of Colorado Boulder via Coursera | Oct 2026

**MikroTik Certified Network Associate (MTCNA)** | MikroTik | Feb 2026 | No. 2602NA8027

**CCNA: Switching, Routing, and Wireless Essentials** | Cisco Networking Academy | Jan 2025

## LANGUAGES

Indonesian (native), English (intermediate). **TEPPS score: 705** - UPA Bahasa Politeknik Negeri Semarang, 27 Apr 2026.