

MHD ANDRA FAHREZA

Full-Stack Software Engineer

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PROFESSIONAL SUMMARY

Full-stack engineer with 6 years of experience shipping production systems for government agencies and private clients — web platforms, REST APIs, and mobile applications. Specializes in Laravel/PHP backend architecture, including centralized SSO (OAuth2) across multiple applications, payment gateway integration, and database design. Builds and publishes mobile apps with Flutter, and works on production SaaS products — an online competition platform serving thousands of participants, and a self-built multi-tenant SaaS operated end to end.

TECHNICAL SKILLS

Languages: PHP, JavaScript, TypeScript, Dart, Kotlin, Python, SQL

Backend: Laravel, CodeIgniter, REST API design, OAuth2 / SSO, payment gateway integration (Midtrans), queue processing

Frontend: React, Next.js, Inertia.js, Tailwind CSS, Blade, AJAX

Mobile: Flutter, Kotlin (Android), Google Play Store publishing

Database & Infrastructure: MySQL, PostgreSQL, MongoDB, Redis, Docker, Linux VPS, Nginx, CI/CD, Git

WORK EXPERIENCE

Full-Stack Developer — BKPSDM Kota Medan

May 2025 – Present

Civil Service Agency, Medan City Government — Medan, Indonesia

- Architected a centralized SSO system unifying authentication across 5+ internal government applications (HR, attendance, correspondence) using Laravel and OAuth2 Authorization Code with PKCE, with scheduled identity synchronization from the HR system of record.
- Designed and built REST APIs and database structures for government information systems serving the agency's civil-service operations.
- Developed a mobile attendance application with Flutter on top of the same backend APIs, and published it to the Google Play Store.
- Maintained and extended existing government applications, improving reliability and adding features requested by operational units.

Backend Developer — POSI

Jan 2024 – Apr 2025

Pelatihan Olimpiade Sains Indonesia — Medan, Indonesia (Freelance)

- Built backend services for a national science-olympiad platform handling registration, scoring, and results under load spikes during live competition events.
- Integrated an online payment gateway for participant registration fees, including webhook handling and payment-status reconciliation.
- Designed database structures and REST API features consumed by the platform's client applications.

Backend Developer — North Sumatra Governor's Office

Mar 2022 – Dec 2023

Pemerintah Provinsi Sumatera Utara — Medan, Indonesia

- Built the official vehicle management information system for the General Bureau (Biro Umum SetdaprovSU) — asset registry, usage requests, and tracking across the provincial fleet — replacing a manual spreadsheet-based process with a single auditable system of record.
- Developed and maintained government web applications with PHP, SQL, JavaScript, and AJAX.
- Tested and troubleshooted websites prior to deployment, and delivered end-user training for content maintenance and updating.

Full-Stack Developer — Freelance

Sep 2021 – Mar 2022

Medan, Indonesia

- Delivered web and mobile applications end to end for small-business clients — Laravel backends with mobile apps consuming the same REST API.

Web & Mobile Developer — CV. 7Clue.Co

Feb 2020 – Jul 2021

Medan, Indonesia

- Developed client websites using Laravel, MongoDB, and an in-house engine; built Android applications with Kotlin.
- Created REST API features shared between web and mobile clients.
- Implemented interactive maps with Leaflet.js and Google Maps across web and mobile projects.

Web Developer — PT. Sumber Sang Surya

Dec 2019 – Jan 2020

Medan, Indonesia

- Built web applications using CodeIgniter, SQL, JavaScript, and AJAX.

SELECTED PROJECTS

Full-Stack Developer — Digniti — Online Competition Platform (digniti.co.id)

2025 – Present

One of the development team — Laravel · Inertia.js · React

- Full-stack developer on an online science-olympiad platform that has run 15+ national and regional competitions, including events with 4,000+ registered participants across 16 subjects.
- Build and maintain both frontend and backend across the competition lifecycle: participant registration, multi-subject exam delivery, automated scoring, and public results announcements.

Founder & Lead Engineer — ANVITE — Multi-Tenant SaaS Platform

2025 – Present

Self-initiated product

- Architected, built, and operate a multi-tenant SaaS product end to end: Next.js frontend, Laravel REST API, wildcard subdomain tenancy, ticket-based SSO between applications, and subscription billing via Midtrans.
- Deployed and maintained on a self-managed VPS with Docker, PostgreSQL with row-level security, and Nginx.

EDUCATION

Bachelor's Degree, Information Systems — STMIK Triguna Dharma

2019 – 2023

Software Engineering — SMK Negeri 9 Medan

2016 – 2019