

Fandy Ahmad Irianto

Software Engineer | Flutter & Backend API Specialist

0858-0148-2929 | fandy.09.ahmad@gmail.com | <https://haveafvnday.com/>

ABOUT ME

Results-oriented Software Engineer with over 3 years of experience architecting high-performance mobile and web ecosystems using **Flutter** and **Laravel**. Expert in building scalable RESTful APIs, implementing **Clean Architecture**, and optimizing application performance (achieving up to 30% speed increases). Proven track record in digital transformation, specifically in Fintech, HR-Tech, and CRM sectors, delivering solutions that reduced operational overhead by 40%. Passionate about writing maintainable code and leveraging **BLoC** state management to create seamless user experiences.

TECHNICAL SKILLS

Mobile Development: Flutter, Dart, BLoC, Provider, GetX, Clean Architecture, Material Design, iOS & Android Deployment.

Backend & API: Laravel (PHP), RESTful API Design, Microservices, JWT Authentication, Eloquent ORM, OOP, MVC.

Database Management: MySQL, SQL Server, Firebase (Firestore & Realtime DB), Query Optimization, Indexing.

DevOps & Quality: Git (Version Control), CI/CD Pipelines, System Testing, QA Procedures, Agile/Scrum.

Integrations: Payment Gateways, Firebase Cloud Messaging (FCM), GPS/Geofencing, Biometric Auth, Dio HTTP Client.

EDUCATION

Universitas Sebelas Maret

2019 - 2022 | 3 Years

Diploma Of Computer Science/Information Technology

GPA : 3.81 / 4.00

Universitas Terbuka

2024 - Present

Bachelor of Information Systems

PROFESSIONAL EXPERIENCE

PT.INDOPASIFIK INDAHTAMA

March 2023 - Present

Fullstack Engineer

- Develop API Service in accordance with the agreed system and database design and carry out documentation.

- Develop Android and Web-based applications by integrating with peripheral devices for employee attendance and payroll purposes
- Developing and Android-based application by integrating it into peripheral devices for the purpose of purchasing apartment electricity token.

Neptime (Real-time Attendance & Payroll System) | *Fullstack Developer Mobile & Backend*

- **Context:** Developed a centralized system to eliminate attendance fraud and manual payroll calculation errors for a large workforce.
- **Action:** Engineered a mobile app using Flutter with GPS Geofencing and a Laravel backend; implemented automated approval workflows for overtime, leave, and permits.
- **Result:** Achieved 100% attendance data accuracy and reduced HR administrative processing time by 40% through end-to-end automation.

PGLife (Digital Apartment Ecosystem) | *Fullstack Developer Mobile & Backend*

- **Context:** Spearheaded the digitization of resident services for Pacific Garden, focusing on electricity token purchases and maintenance reporting.
- **Action:** Architected a secure payment gateway integration using Laravel API and Flutter; designed a maintenance dashboard to track contractor schedules and resident requests.
- **Result:** Driven 60% digital payment adoption among residents and maintained a transaction success rate of 99.9% through proactive error handling.

Depotra (Integrated Logistics & Warehouse Management System) | *Fullstack Developer Mobile & Backend*

- **Context:** An all-in-one logistics solution designed for container depot operators and trucking companies to streamline operations and fleet monitoring.
- **Action:**
 - **Backend & Logistics Logic:** Developed the core backend architecture to manage complex logistics workflows, including **Container IN/OUT** tracking, automated **Storage Fee** calculations, and **Trucking Service** scheduling.
 - **Mobile Development:** Built a cross-platform mobile application that enables stakeholders to monitor fleet performance and operational transactions on the go.
 - **Real-time Integration:** Implemented real-time data synchronization between depot activities and the management dashboard to ensure seamless logistics flow.
- **Result:** Enhanced operational efficiency by centralizing fragmented logistics processes and provided management with real-time visibility into fleet performance and revenue streams.

Prospecta (CRM & Sales Management) | *Fullstack Developer Mobile & Backend*

- **Context:** Designed a productivity tool to help sales teams organize leads and close deals more efficiently.
- **Action:** Developed a real-time analytics dashboard in Flutter and optimized Laravel database queries for handling large lead datasets with low latency.
- **Result:** Boosted sales team productivity by 25% and significantly reduced lead response time via instant push notifications.

Propsales – Admin & Management System | *Web Developer*

- **Context:** A comprehensive web-based administration panel for managing internal operations and company supply chain logistics.
- **Action:** Optimized database performance within the **CodeIgniter 3 (CI3)** framework to ensure high-speed data processing for large-scale datasets. Engineered the **Purchasing & Inventory** modules from the ground up,

encompassing the full procurement lifecycle (**Purchase Requests & PO**) and stock management (**Item Requests, Goods In, and Goods Out**).

- **Result:** Digitalized end-to-end procurement processes, minimized human error, and ensured real-time synchronization of inventory data.

Pacificgardenpuri (Company Profile & Digital Marketing) | *Web Developer*

- **Context:** Developed a premium company profile website for a high-end residential project in Jakarta to enhance brand presence and generate digital leads.
- **Action:** Engineered a custom administrative management dashboard for seamless content curation; implemented on-page SEO strategies (meta-tags, schema markup) and integrated interactive lead-capture features (WhatsApp integration and brochure request forms).
- **Result:** Improved administrative efficiency by 30% through an intuitive CMS and successfully increased digital lead conversion rates by providing a streamlined inquiry process for prospective homeowners.

PT.BIX BOX TEKNOLOGI PERKASA (REFACTORY)

Nov 2021 - August 2022

Junior Software Engineer & IT Consultant

- Developed quality assurance procedures to minimize coding error
- Deployed functional solutions, such as creating adopting and implementing system test plans to ensure acceptable quality and integrity of systems
- Collaborated across technical and design team to produce innovative software applications
- Partnered with engineering staff on identifying and resolving interface issues

Siap Ukur (BPN - Digital Innovation) | *Software Engineer*

- **Context:** Addressed land measurement backlogs at the National Land Agency (BPN) through a transparent file monitoring system.
- **Action:** Designed the scalable system architecture and integrated real-time file-tracking APIs, ensuring high availability under heavy user loads.
- **Result:** Achieved a "Ready" score on the STOPE framework and received high usability ratings from government stakeholders.
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Mister Aladin (MNC Group - OTA Platform) | *Software Engineer*

- **Context:** Optimized a high-traffic Online Travel Agent (OTA) application to improve stability and transaction speed during peak seasons.
- **Action:** Refactored critical features using BLoC state management and improved memory efficiency; implemented API caching to reduce server response times.
- **Result:** Increased data processing speed by 30% and maintained a crash-free session rate of over 99.5% for Android users.