



Sendi Agustian

Senior Software Engineer with 6+ years of experience specializing in Mobile Development (Flutter) and Microservices Architecture. Proven track record in designing scalable mobile ecosystems and high-performance backend services. Expert in decoupling monolithic applications into microservices and leading technical teams to deliver robust solutions for large-scale enterprise integration.

 Jakarta Selatan

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Educational Background

2019 - 2024 (GPA: 3.67)

Universitas Teknologi Bandung
Teknik Informatika | S.Kom.

Thesis/Final Project:

Educational Application "Tong Nyampah"
with Gamification Techniques in South Jakarta

Professional Experience

Software Engineer | Tim Leader • PT. Protonema, South Jakarta

October 2022 – Present

1. Microservices & API Integration: Architected the TNPS (Telkomsel Net Promoter Score) middleware. Transformed legacy services into scalable APIs, enabling seamless integration with high-traffic external platforms like ByU and GraPARI Online
2. Engineering Leadership: Led the Front-End division and standardized Flutter workflows to ensure cross-project code reusability. Spearheaded the adoption of Python (FastAPI) to modernize internal tooling and automation infrastructure.
3. Key Projects:
 - a. AI Diagnostics & B2B Platform: Developed a Python/FastAPI AI Agent for automated root cause analysis of system logs. Built a high-performance B2B Ordering platform featuring robust offline-first synchronization capabilities.
 - b. Khidma: Built a comprehensive Umrah/Haji management platform, integrating complex booking engines and real-time user tracking.

Software Engineer • Lontarlab (Software House), Bandung

April 2019 – September 2022

1. Mobile Application Development: Spearheaded the development of the Thawaf and Kawan Haji applications. Focused on modularizing features to allow rapid deployment of new modules for the Hajj every season.
2. Backend & Optimization: Managed the transition of monolithic backend components into service-oriented modules to support the Dashboard Haji and 7in1 systems, improving system reliability during peak usage.
3. Technical Leadership: Mentored a team of 6 developers, conducting code reviews and enforcing best practices in mobile UI/UX and API consumption

Technology Ecosystem

1. Mobile Engineering: Flutter (Expert), Dart, Clean Architecture, State Management (BLoC/Provider).
2. Microservices & Backend: Java (Spring Boot), Node.js (Express.js), Bun (Elysia.js), Python (Fast API), RESTful APIs, Pola Desain Microservices, Docker Containerization.
3. Database & Tools: PostgreSQL, MySQL, Firebase (Firestore, FCM), Git, GitHub Actions, Jenkins, Message Broker, N8N Automation, GCP Services.

Portfolio Projects : <https://sendistudio.id/projects>