

Aflian Mahyaruddin

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Backend Engineer with 3+ years of experience specializing in Golang and scalable backend systems. Cross-industry experience spans healthcare, food supply, and transportation — giving me a unique perspective on building reliable systems that serve diverse business needs. Proven track record in owning end-to-end production deployments, leading incident response, and integrating critical third-party services including government regulatory APIs. Passionate about clean architecture, infrastructure ownership, and delivering production-grade software that scales.

WORKING EXPERIENCE

Backend Engineer - SATU Dental

February 2022 – Present

Full-Time

- Develop and maintain Clinic Management System using Golang, Redis, and PostgreSQL — serving **50+ dental clinic branches** with **280K+ patient records** and **300+ daily appointment bookings**.
- Translate Product Requirement Documents (PRDs) into technical RFCs, defining system architecture and implementation strategy before development.
- Integrate critical third-party APIs including Indonesia's Ministry of Health **SATUSEHAT** for regulatory compliance, **WhatsApp Business API** for patient notifications, and **Firestore Cloud Messaging (FCM)** for in-app push notifications — implemented via **Asynq job queue** for asynchronous, non-blocking delivery.
- Own end-to-end deployment lifecycle as deployment PIC, managing CI/CD pipelines with **GitHub Actions** and **Kubernetes** for containerized production releases.
- Author production release documentation, including deployment procedures and rollback strategies.
- Lead incident response by authoring postmortem reports and implementing root-cause fixes for production issues.
- Serve as on-call engineer and lead daily standup meetings during on-call rotations, providing rapid incident response and driving team alignment on technical blockers.
- Manage multi-cloud production infrastructure on **AWS** (EC2, RDS, S3) and **GCP** (Compute Engine, Cloud Storage, Cloud SQL).
- Maintain production system performance at **38 req/sec sustained throughput**, **500ms P99 latency**, and **0.57% error rate**, monitored via SigNoz observability platform.
- Create migration scripts for transitioning from legacy to new applications, focusing on data integrity and accurate mapping.
- Consistently deliver **26+ story points per sprint** while maintaining code quality.

IT Developer - RASA Corp

November 2022 – March 2025

Internship

- Develop and maintain three production company websites (RASA Corp, Kulina Berkah Sehati, Warjali) using **WordPress**.
- Build internal field-operation system for traditional market vendor registration using **Laravel**, implementing **Haversine formula** for geolocation tracking and **QR-based vendor identification** — enabling sales agents to record real-time food commodity prices from market vendors.
- Develop internal supply chain platform with Laravel to track food commodity pricing data sourced directly from farmers.
- Integrate internal vendor registration system with **Mekari Jurnal API** for automated transaction recording and financial monitoring.
- Manage and deploy production websites using Cyber Panel control system, including server configuration and updates.
- Monitor website traffic and performance metrics for ongoing optimization and reliability.

IT Developer - Jaklingko Indonesia

August 2022 – December 2022

Internship

- Develop backend system for internal mailing application managing inbound and outbound correspondence at Jaklingko — Jakarta's integrated public transportation network.
- Build RESTful APIs using **Node.js (Express JS)** and **MySQL**, successfully launched and adopted for internal Jaklingko operations.
- Conduct unit testing across SIT (System Integration Testing) and UAT (User Acceptance Testing) phases to ensure production readiness.
- Contribute to UI/UX design (**Figma**) for Jaklingko mobile application as additional cross-functional support.

EDUCATION

Informatics, Gunadarma University

July 2019 – September 2023

Bachelor's Degree

- GPA: 3.72/4.00

CERTIFICATIONS & TRAINING

Cloud Computing Path - Bangkit Academy

February 2022 – July 2022

Backed by Google, Tokopedia, Gojek, Traveloka, and Kemendikbud

- Final Score: 85.1/100

SKILLS

Programming Languages:

- Golang (Primary)
- JavaScript / Node.js
- PHP / Laravel

Backend & Database:

- RESTful API Design & Development
- Asynchronous Job Processing (Async, Redis)
- Caching Strategy & Optimization (Redis)
- Database Design & Migration (PostgreSQL, MySQL)

Cloud Platforms:

- AWS — EC2, RDS, S3
- GCP — Compute Engine, Cloud Storage, Cloud SQL

DevOps & Deployment:

- Kubernetes, Docker
- GitHub Actions (CI/CD)
- Production Deployment & Release Management
- Incident Response & On-call Operations
- Observability & Monitoring (SigNoz, OpenTelemetry)

Engineering Practices:

- Technical RFC Authoring
- Postmortem Documentation
- Agile / Scrum Methodology
- Third-Party API Integration (SATUSEHAT, Mekari Jurnal, WhatsApp Business API, Firebase Cloud Messaging)
- Cross-functional Collaboration

Languages:

- Indonesian (Native)
- English (Intermediate)