

Firman Agam

Backend Engineer

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Summary

Backend Engineer with experience building scalable backend systems in enterprise and product-driven environments. Specialized in Golang, REST/gRPC APIs, and system design, with hands-on experience improving performance, scalability, and reliability of production systems. Strong background in translating business requirements into robust technical solutions.

Highlights

- Developed backend systems for promo, loyalty, subscription, gamification, and campaign features used in production.
- Designed and implemented high-performance promo evaluation services using Golang and gRPC.
- Improved system scalability and robustness through backend and database architecture enhancements.

Core Skills

Backend

Golang, REST API, gRPC, Spring Boot, PostgreSQL, Firebase Cloud Messaging

Architecture

System Design, Scalability Optimization, Reliability Engineering, Transactional Consistency

Frontend

React.js, Next.js, HTML, CSS, JavaScript

Tooling

ELK Stack, Apigee, Google Spreadsheet Automation, Telegram Bot Integration, Git

Experience

Backend Engineer - Blue Bird Group

Jakarta | Oct 2022 - Present

- Developed backend systems for promo, loyalty, subscription, gamification, and campaign features used in production.
- Designed and implemented high-performance promo evaluation services using Golang and gRPC.
- Improved system scalability and robustness through backend and database architecture enhancements.
- Built critical promo capabilities such as auto-apply, pre-validation, and optimized promo listing.

Full Stack Engineer - Envmission

Remote | May 2025 - Aug 2025

- Designed and developed a waste tracking product used by multiple tenants and field operation teams.
- Built backend services using Golang and frontend applications using Next.js.
- Implemented real-time notifications to ensure timely coordination between tenants and field teams.

Experience Continued

Backend Engineer - Bussan Auto Finance

Jakarta | Jul 2021 - Oct 2022

- Developed and maintained the Pradana backend product supporting loan-related business processes.
- Implemented core business logic and data persistence for financial workflows with transactional consistency.
- Improved reliability of user communication by implementing Firebase Cloud Messaging for real-time loan status notifications.

Software Developer - Tekno Gemilang Indonesia

Jakarta | Sep 2021 - Oct 2022

- Contributed to backend systems for a travel platform supporting hotel and flight booking services.
- Integrated multiple external travel service providers into a unified backend flow.
- Improved backend stability and data consistency across service integrations in a multi-service environment.

API Gateway Operational - Bank Rakyat Indonesia Tbk

Jakarta | Mar 2020 - Jun 2021

- Supported large-scale API gateway operations handling high-volume enterprise traffic.
- Built automation tools using Golang to eliminate repetitive operational reporting, reducing manual effort and error rates.

Bootcamp Trainee - Enigma Camp

Jakarta | Oct 2019 - Feb 2020

- Completed an intensive software engineering bootcamp focused on building strong programming fundamentals and professional development practices.

Built backend services using Spring Boot and applied SOLID principles, OOP, and TDD.

Education

Gunadarma University - BA in Information Systems

Jakarta | Jul 2015 - Jun 2020

Languages

English: Intermediate

Indonesia: Native

Links

Product: <https://jangkauin.site>

Portfolio: <https://agambondan.github.io>

GitHub: <https://github.com/agambondan>