

# 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>