

ALIM IKEGAMI

BACKEND ENGINEER

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Passionate Udayana University Computer Science graduate, now a backend engineer at a software house in Bali.

WORK EXPERIENCE

Backend Engineer at Avatar Solutions

May 2023 – Dec 2024 (Full-time), Jan 2025 - Present (Part-time)

- Collaboratively designing and implementing backend APIs mainly with Go, Redis, Docker, MariaDB, and MySQL, while maintaining older projects with CodeIgniter. I have also worked with Node.js for small feature updates on existing project
- Spearheaded the implementation of centralized logging using Grafana, Loki, and Promtail
- Leveraged database indexing to reduce reporting query times by **up to 39%** for one of Bali's largest tourism destination ticketing systems
- Optimized the Excel report exporting functionality, reducing export time for one of Bali's largest tourism destination ticketing systems.
- Responsible for integrating third-party APIs, including payment gateways
- Responsible for daily DevOps tasks including server configuration and creating CI/CD pipelines using GitHub Actions
- Transitioned API documentation from Google Docs to Swagger, **streamlining the documentation process** and **ensuring consistency** across projects by generating OpenAPI-compliant Swagger documentation directly from code annotations

Backend Engineer Intern at Avatar Solutions

Sept 2022 – Oct 2022

- Led a team of backend engineering interns to develop a REST API using Golang and Docker for a proof-of-concept application

Part-time Full Stack Developer at Avatar Solutions

Jan 2022 – Mar 2022

- Implemented a REST API using Node.js and a frontend web application using React.js
- Managing the deployment of both an API and a frontend web application using Docker

Backend Engineer at PEMIRA FMIPA UDAYANA

Oct 2021 – Des 2021

- Adding and updating features on an existing voting system written in Laravel for BEM FMIPA Udayana's Chairman Election

PROJECTS

POS Microservices

Developed a microservices-based POS (Point-of-sales) system as an experimental project to learn about microservice architecture. This system includes three main services—User, Product, and Order—built with Go, PostgreSQL, MongoDB, Elasticsearch, and Kafka, with RESTful APIs and message queues for inter-service communication. The services are managed with Kong (DB-less) as the API gateway and are deployed locally on Kubernetes (Minikube), with Midtrans integrated for payments. All services use OpenTelemetry to generate traces, which are collected and visualized in Jaeger.

Macaiki REST API

Macaiki is an online forum where we can create threads to discuss anything. This project was completed as my submission for the Capstone Project assignment in Alterra Academy's Studi Independen. This project was created using Go, MySQL, Docker, and AWS.

SKILLS

Backend: Golang, Node.js, Laravel, CodeIgniter, MySQL, MariaDB, Redis, WebSocket

DevOps: Docker, Github Actions, AWS, Grafana, Grafana Loki, Promtail, Nginx

EDUCATION

Udayana University

2019 - 2023

Bachelor of Computer Science

- Awards: 3rd Place in Udayana's Software Development Competition (INVENTION 2021), Semi-finalist in Data Analytics Competition (DAC) 2021 By PRS ITS, 2021 Technoscape Hackathon Participant By BNCC Binus
- 3.96 GPA
- Member of Student Innovation Centre's Engineering Division
- Selected to participate in the "Become a Master of Golang Programming" Apprenticeship at Alterra Academy for 6 months as one of the programs in Merdeka Belajar Kampus Merdeka (MBKM) 2022