

Arjuna Ragil Putera

Backend Developer | DevOps Engineer

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Summary

Aspiring Backend Developer and DevOps Engineer with a proven track record of developing microservices system and secure AI integrations. Experienced in managing self-hosted home servers and securing deployments with zero-trust networks. Skilled in Go, Python, and Docker.

Experience

Google Indonesia - Internship Indonesia
Student Ambassador Sep 2025 - Feb 2026

- Created educational content about the usage of AI in tech development and daily life that reach 3k+ organic views
- Collaborate with other student ambassador to teach how to integrate AI for faster development and brainstorming

Projects

AI-Powered Personal Platform & RAG System 2026

- Backend & API:** Engineered a scalable backend utilizing **Go (Golang)** with Clean Architecture to handle API requests efficiently and securely.
- AI Integration:** Integrated a custom **Retrieval-Augmented Generation (RAG)** pipeline using **Python, LangChain, and Ollama**, enabling a context-aware AI chatbot hosted entirely locally.
- Infrastructure & Security:** Orchestrated the entire deployment using **Docker Compose** on a self-hosted Linux server (CasaOS). Secured internal traffic via **Tailscale (Zero Trust Network)** and securely exposed the Next.js frontend to the public using **Cloudflare Tunnels**.

Personal BaaS LocalBase 2025 - Present

- Backend Architecture:** Architected and developed a lightweight, open-source Backend-as-a-Service (BaaS) platform from scratch using **Go (Golang)**, focusing on high concurrency and modular system design.
- System Design & API Management:** Engineered core backend functionalities to streamline development workflows, providing developers with a robust, self-hosted alternative for managing APIs and database interactions locally.
- Infrastructure & Containerization:** Containerized the entire platform infrastructure utilizing **Docker**, ensuring seamless cross-platform deployment, isolated execution environments, and a zero-configuration setup for end-users

Skills

DevOps & Infra
Docker, Prometheus, Grafana, Ansible, Github Action, Cloudflare, Tailscale, Ubuntu Server, Ollama

Backend
Go, Gin, Python, LangChain, TypeScript, JavaScript, Node, Express

Database & Storage
PostgreSQL, ChromaDB, SeaweedFS, Firestore

Version Control
Git, Github

Soft Skill
System Design, Product Thinking, Cross-Functional Collaboration, Complex Problem Solving

Education

UIN Syarif Hidayatullah Jakarta	Bachelor Degree • GPA: 3.64 / 4.00
Information Systems	Indonesia • Sep 2024 - Present