

Arian Saputra

DEVOPS / CLOUD ENGINEER

Yogyakarta, Indonesia (UTC+7) · Open to full-time remote, 40 hrs/week

+62 853-3794-9499 · dev@ariansaputra.com

ariansaputra.com · linkedin.com/in/rhyanz46 · github.com/Rhyanz46



PROFESSIONAL SUMMARY

DevOps and Cloud Engineer with **8+ years** in software engineering (since 2018), building and operating production infrastructure. Currently hands-on with AWS — migrated a live production workload from App Runner to ECS Fargate behind an ALB, with IAM least-privilege, VPC/NAT, Secrets Manager and S3 hardening — after four years building cloud platform products at a national cloud provider: CDN, container orchestration on OpenShift, and a private Docker Registry. Owner of two production platforms, including a multi-tenant PaaS on Kubernetes (K3s), and author of open-source developer tooling in Rust and Go. DevOps on national-scale infrastructure serving millions of daily users; backend in Golang and Python, and recent production work with LLM-backed features.

TECHNICAL SKILLS

Cloud & Infrastructure

AWS (ECS Fargate, ALB, RDS, IAM, Secrets Manager, VPC, NAT, S3), Kubernetes / K3s (namespace isolation, NetworkPolicy, ResourceQuota), OpenShift, Azure Static Web Apps, OpenStack API, Linux server administration (2015–present), Nginx, HAProxy, Load Balancing, OpenVPN

DevOps, Automation & Data

CI/CD (GitHub Actions, GitLab CI), Docker, LXC, Infrastructure as Code (IaC): Ansible, AWX, scripted AWS provisioning, systemd, Let's Encrypt TLS, Varnish (CDN), Prometheus, Grafana, Elasticsearch / Kibana, PostgreSQL (incl. PgPool clustering), RabbitMQ, NoSQL, NFS, S3 / MinIO

Programming Languages & Architecture

Golang (2022–present), Rust (open-source tooling, published on crates.io), Python / Flask / FastAPI (2019–2023), JavaScript / Vue.js / React; Microservices, Event-Driven Architecture, Clean Architecture (2021–present), Test-Driven Development, RBAC / multi-tenancy, architecture decision records (ADR), schema design & query optimization; production LLM integration (typed judgments, provider-agnostic, bounded payloads and timeouts)

WORK EXPERIENCE

Cloud Engineer — PT. Acarya Data Esa

April 2026 – Present · Part-time · datasea.co.id

- **Cloud migration:** Migrated a production AWS workload from App Runner to ECS Fargate — ALB host-header routing for 7 .NET backend services, RDS PostgreSQL, and full CI/CD repointing with zero data loss.
- **Provisioning & hardening:** Provisioned and secured AWS resources with the AWS CLI and version-controlled provisioning scripts — IAM least-privilege roles, Secrets Manager, NAT instance, VPC, and S3 with Block Public Access, SSE encryption, and versioning.
- **Object storage:** Deployed self-hosted S3-compatible storage (MinIO) on VPS with TLS and quota management, achieving full dev–prod parity against AWS S3 through a unified configuration contract.
- **CI/CD & cost:** Maintained GitHub Actions pipelines for multi-target deployment (VPS, AWS S3 + CloudFront, Azure Static Web Apps); audited live cloud resources to produce per-resource cost estimates and production-grade recommendations.

Backend Engineer, Cloud Products — Cloudeka, the public cloud platform of Lintasarta

June 2022 – June 2026 · cmd.ai.cloudeka.id

- **Cloud services:** Developed and maintained core cloud products — CDN, Dekarock (container orchestration on OpenShift), and Docker Registry — for high-performance content and container distribution.
- **Security & access control:** Designed and implemented an RBAC system securing multi-tenant access across cloud infrastructure.
- **Storage & engineering quality:** Managed and optimized NFS integration for persistent cloud storage; refactored critical modules and enforced Clean Code standards, reducing technical debt.

Backend Engineer (Founding Member) — PT Indo Xetia Internasional

November 2021 – October 2022 (part-time)

- Engineered the delivery service for “Hararu” (Japan) — nearby-courier search and route optimization via Google Maps API.
- Led migration of chat services from Python to Golang, eliminating performance bottlenecks and improving memory efficiency.
- Built and operated event-driven microservices for asynchronous, resilient inter-service communication, working directly with the CTO and CEO to translate business goals into technical design.

Backend Engineer & DevOps — Foxlogger GPS Tracker

June 2021 – March 2022 · foxlogger.co.id

- Designed an internal e-commerce and inventory system handling distribution of thousands of IoT devices from warehouse to customer.
- Built infrastructure automation from scratch with GitLab CI/CD; managed on-site data center server configuration, including 24/7 monitoring and hardware troubleshooting for high availability.

Full Stack Engineer — PT. Netzen Media Akses

June 2019 – March 2020

- Architected and built an internal accounting system from the ground up, reporting directly to the CEO as a key contributor in technical decision-making across backend and frontend teams; managed network and client internet infrastructure before moving into a core

developer role.

Junior Frontend Developer (Founding Member) — CV. Lumbung Inovasi

February 2018 – February 2019

- Founding team of an IT consultancy in Mataram serving local and regional government; built the frontend of a Village Information System with digital village mapping (Google Maps API) and introduced Vue.js for consuming REST APIs.

SELECTED PROJECTS

SiLacak — DevOps Engineer

2020–2021 · Short-term contract · National COVID-19 contact-tracing platform, Ministry of Health

- Orchestrated a cluster of 6 PostgreSQL servers with PgPool for load balancing and connection pooling, and 5 Java application servers behind HAProxy and Nginx; implemented PM2 process management and built real-time memory and system-health alerting across the 11-server fleet, sustaining availability for millions of daily users during the pandemic's critical period.

EasyRun — Owner & Platform Engineer

2026–present · easyrun.io · Go, Kubernetes (K3s), React, PostgreSQL

- **Multi-tenant PaaS:** Users deploy ready-made applications (n8n, WordPress, OJS) onto a K3s cluster through a web panel, without touching Kubernetes directly.
- **Tenant isolation:** Each tenant confined to its own Kubernetes namespace with NetworkPolicy, ResourceQuota, and LimitRange enforced per subscription plan.
- **Security & delivery:** Only the BFF API is public and JWT-authenticated — orchestrator and DNS services stay internal behind BasicAuth, never exposed. Tag-driven CI across six repositories, with every significant technical choice recorded as an ADR, and live billing for top-up, balance, subscription, and renewal.

WACCA — PT. Ikavia Digital Nusantara — Owner & Lead Engineer

2026–present · ikavia.com · Go, PostgreSQL, RabbitMQ

- **Multi-tenant marketplace:** Laundry marketplace connecting consumers with partner outlets — pickup, wash, and delivery in one app — serving two mobile clients and a platform superadmin panel.
- **Service ecosystem design:** Core business service in Go integrating with shared multi-tenant platform services (accounts, media, chat, notifications, email, payments) over REST and RabbitMQ.
- **Financial module & authorization:** Built the internal accounting system — journal/ledger, chart of accounts, daily closing with approval, tax masters, commission, partner settlement, withdrawal reconciliation — under an authorization model with human-principal vs service-account guards and per-role permissions.

Open Source — go-routine-id

opensource.go-routine.com · github.com/go-routine-id

- **flowmaid** — Mermaid-compatible diagram engine in pure std Rust: zero dependencies, sub-millisecond renders, 166 KB WebAssembly build. Published on crates.io, with a browser playground and a native desktop editor.
- **go-shell** — Rust TUI terminal workspace combining file explorer, embedded terminal, git dashboard, and an AI agent. **dbx** — terminal database explorer: browse schemas, run SQL, draw ERDs.
- **go-map-validator** — Golang validation library for REST and gRPC payloads, used across internal projects. **flowrun** — Mermaid-driven HTTP flow runner. **go-docs-generator** — single-page docs sites from YAML/OpenAPI with live API testing.

go-routine.com — Founder & Engineer

Go, Gin, GORM/PostgreSQL, RabbitMQ, Docker

- **AI feature in production:** LLM-backed planning assistance built as typed judgments returning calibrated probabilities consumed directly by application logic, rather than free-text output parsed by hand.
- **Provider-agnostic, safely degrading:** Pluggable assistant interface with the provider configured per deployment and none hardcoded; when unconfigured, AI routes degrade cleanly instead of failing. Bounded payloads and hard request timeouts on every model call.

Museum Digital Indonesia (MuseumDigi) — Founding Member & Fullstack Engineer

museumdigi.id · Funded by Dana Indonesiana (Kemendikbudristek)

- Initiated the artifact-digitalization concept through a technical proposal that won a competitive national grant; managed end-to-end 3D scanning of historical artifacts and architected the entire platform — frontend, backend, and DevOps — through to production launch.

LANGUAGES

Indonesian (native) · English — professional working proficiency in writing; strong reading and listening comprehension

EDUCATION

SMK Negeri 1 Plampang — Computer & Information Technology

2015 – 2018 · Sumbawa, Indonesia

- **1st place, school final-project competition** — web-based hospital information system. Foundation in web development (PHP, MySQL, JavaScript) and system administration (Linux & networking).