

ANDI MUHAMMAD ALIEF FAUZAN

afindo.mi01@gmail.com | +628114157827 | [LinkedIn](#) | [GitHub](#) | [Certificates](#) | [Portfolio](#)

SUMMARY

Cloud Computing and **Backend Development** enthusiast with hands-on experience in designing, building, and deploying **scalable cloud-native** and edge solutions using **Google Cloud, Docker, and CI/CD pipelines**. A **Bangkit Academy 2024 Cloud Computing** graduate and former **Google Cloud Arcade Facilitator**, where I mentored 100+ participants nationwide in hands-on cloud learning. Passionate about **edge infrastructure, data-driven optimization, and technical product design**, with a strong foundation in DevOps culture and collaborative software delivery.

EXPERIENCE

Google Cloud Arcade Facilitator

July – Sept 2025

Facilitator

- Achieved *Milestone Recognition* among only **31 of 299 facilitators** nationwide.
- Mentored **100+ participants** in a national gamified learning program covering **Compute Engine, Cloud Run, IAM, BigQuery, Vertex AI, Kubernetes, and serverless fundamentals**.
- Delivered proactive **technical troubleshooting, progress tracking, and milestone reporting**, ensuring participants earned badges and reached leaderboard targets.

Bangkit Academy by Google, GoTo, Traveloka

Sept 2024 – Jan 2025

Cloud Computing Cohort

- Completed **900+ hours** of training in **Google Cloud, DevOps, Microservices, and Cloud Architecture**.
- Specialized in **cloud-native backend development**, focusing on **deployment automation, integration, and CI/CD pipelines**.
- Delivered a **team capstone project** integrating **AI and mobile components** with a secure backend on Google Cloud.
- Deployed applications using **Docker, Kubernetes, and Terraform**, ensuring scalability and reliability.

EDUCATION

Telkom University

2022 - Present

Bachelor of Informatics

- GPA: 3.6 / 4.00
- Relevant Coursework: Object-Oriented Programming, Data Structures, Algorithms, Software Analysis and Design

PROJECTS

ArcadeTeamCalc | [Demo](#) | [GitHub](#)

July 2025– Present

- Developed a **Open Source** leaderboard web app, ingesting Google Cloud Skills Boost CSVs and scraping profiles to **Calculate Real-Time** scores and milestone badges.
- Designed **RESTful APIs** with in-memory **Caching** and real-time status indicators, **Reducing redundant calls and Cutting Cloud Billing by 90%**.
- Achieved **100+ daily active users** and **350+ API requests per day** with consistent performance and reliability.
- Implemented **CI/CD** pipelines using **Google Cloud Build** to automate the building of **Docker containers** and their deployment to **Google Cloud Run**.

Grooth – Smart Air Quality Route Planner | [Demo](#) | [GitHub](#)

July - Aug 2025

- Architected **multi-service backend** (Node.js/Express, Docker, RESTful APIs) integrating routing and AQI services, achieving **95% route accuracy across Southeast Asia**.
- Implemented **AQI-weighted pathfinding** and polyline decoding, generating **3-tier routes (Good/Alternative/Bad)** with fallback resilience.
- Integrated **OpenRoute Service & WAQI APIs** with error handling, rate limiting, and real-time data aggregation, sustaining **<2s response times** on complex queries.
- Deployed on **Google Cloud Run** via Cloud Build pipelines, securing environment variables with **Secret Manager**.

PeduliPasal - Legal Learning Platform | [GitHub](#)

Sept – Dec 2024

- Led the development of a legal Q&A chatbot with scalable **cloud backend** and **AI integration**.
- Deployed **containerized(Docker) microservices** for query handling and model invocation.
- Improved API response latency by optimizing deployment on serverless infrastructure.

KeretaXpress – Train Ticket Booking Backend | [Demo](#) | [GitHub](#)

May 2025

- Developed the backend services for a mobile train ticket booking application leveraging **Supabase** and its integrated **PostgreSQL** database.
- Deployed the backend infrastructure on **Google Cloud Run**, ensuring a scalable and serverless architecture.
- Implemented CI/CD pipelines using **Google Cloud Build** to automate the building of **Docker containers** and their deployment to **Google Cloud Run**.

ACHIEVEMENTS

- **Google Cloud Arcade Facilitator Milestone Recognition (2025)** – Ranked among the top 10% of facilitators nationwide.
- **Indonesia Youth Champion League (IYCL) – Competitive Programming (2025)** – Achieved **59th place leaderboard**, demonstrating strong problem-solving and algorithmic thinking in an international coding challenge.
- **Bangkit Capstone Project (2024)** – Successfully deployed a scalable cloud-based backend integrating AI and mobile components.
- **Built & Maintained Open-Source Tools** with over **100 daily active users** and consistent API uptime.

SKILLS

Programming Languages: Golang, JavaScript (Node.js), C++

Cloud & DevOps: Google Cloud, Docker, Kubernetes, Firebase, Terraform, Vertex AI

Backend & Security: RESTful APIs, OAuth2, JWT, IAM, Firestore, Cloud SQL, Secret Manager

Automation & Tools: Git, Postman, Cloud Build (CI/CD), Serverless Architecture, Monitoring & Logging

Soft Skills: Leadership, Growth Mindset, Critical Thinking, Problem Solving, Teamwork, Communication, Project Management, Time Management