

# ANDI MUHAMMAD ALIEF FAUZAN

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## SUMMARY

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As an undergraduate student in Informatics at Telkom University, I am passionate about **Backend Development** and **Cloud Computing**, with hands-on experience in deploying scalable solutions using **Google Cloud Platform (GCP)** and **Docker**. As a participant in the **Bangkit Academy 2024 Cloud Computing Path**, I enhanced my technical expertise and leadership skills through industry-aligned training, certifications, and a capstone project. My goal is to contribute to innovative technology solutions by leveraging my **cloud computing** and **DevOps** expertise.

## EXPERIENCE

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### Bangkit Academy Cloud Computing Cohort 9 September 2024 – 20 January 2025

- Completed an intensive program led by Google, Gojek, Tokopedia, Traveloka
- Focused on advanced cloud computing topics(**GCP**), **backend** integration, **DevOps** workflows, and project management.
- Gained expertise in deploying applications using **Docker**, **Kubernetes**, and **Terraform**

## EDUCATION

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### Bachelor of Informatics, Telkom University 2022 - Present

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

## PROJECTS

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### PeduliPalas - Legal Learning Platform September – December 2024

- Developed a chatbot application to provide quick legal references using **Google Cloud Run**, **Firestore**, and **Vertex AI**.
- Deployed the application using **Docker** to ensure scalability and maintainability.
- Served as **Team Leader**, managing project workflows, repository maintenance, and ensuring API stability.

### KeretaXpress 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**.

### IoT-Based Autoclave Monitoring System January– February 2025

- Implemented a **Golang backend** with **MySQL database**, deployed on **Google Cloud Run** and **Cloud SQL**.
- Designed a **real-time dashboard** using **JavaScript**, **Chart.js**, **JustGage**
- Integrated **Docker** for containerized deployment and **Google Cloud Logging** for system monitoring.

### Building Machine Learning Applications with Google Cloud December 2024

- Developed machine learning applications by creating APIs and deploying backend applications using **Compute Engine**.

- Deployed frontend applications using **App Engine** and utilized **Cloud Storage** for storing machine learning models.
- Used **Firestore** as a database to store prediction results and managed web servers with static external IP addresses.

#### **Singgung – Simpan Gudang**

*December 2024*

- Implemented a warehouse storage tracking application using **App Engine** for backend services.
- Utilized **Cloud SQL** for database management, ensuring reliability and scalability.
- Developed the backend using **Java with the Spring Boot framework** for creating RESTful APIs and JDBC for efficient data handling and integration with Cloud SQL.

#### **Money Tracker App**

*November 2024*

- Deployed a financial tracking application using **App Engine** and implemented lifecycle management rules on **Google Cloud Storage** to automate object management.
- Used **Cloud SQL instances** for database management to ensure reliability and scalability.

### **CERTIFICATES**

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#### **Applied Machine Learning for Cloud Engineer**

*December 2024*

- A course designed for students interested in applying machine learning using cloud computing, particularly Google Cloud. Upon completion, participants can build machine learning applications and deploy them on Google Cloud using industry standards.

#### **Become a Google Cloud Engineer (Menjadi Google Cloud Engineer)**

*November 2024*

- A course aimed at teaching cloud computing with a focus on Google Cloud. Participants learn to master Google Cloud services and build cloud-based solutions, following industry standards.

#### **Learn to Build Back-End Applications for Beginners with Google Cloud**

*November 2024*

- This class is designed for individuals aiming to become Back-End Developers using Google Cloud's global competency standards. By the end, students can independently create simple RESTful APIs to support application functionalities.

#### **Learn JavaScript Programming Basics (Belajar Dasar Pemrograman JavaScript)**

*November 2024*

- A comprehensive course for aspiring Web or Back-End Developers using Node.js technology using industry competency standards validated by AWS. By the end of the class, students will be able to master the basics of JavaScript for web application development using Node.js.

#### **DevOps Fundamentals (Belajar Dasar DevOps)**

*April 2025*

- By the end of the course, students can understand how DevOps culture and practices can improve the technical and business value of companies.

#### **Learn Git Basics with GitHub (Belajar Dasar Git dengan GitHub)**

*September 2024*

- A class for developers to learn code and data management using Git and GitHub, aligned with industry standards. By the end, participants can manage repositories and collaborate effectively on GitHub.

#### **Cloud Practitioner Essentials (Belajar Dasar AWS Cloud)**

*April 2024*

- This course is designed for beginners who want to start their career in cloud computing by referring to AWS international competency standards.

### **SKILLS**

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**Language:** English, Bahasa Indonesia

**Programming languages:** Golang, C++, Javascript

**Tools:** Google Cloud, Docker, Firebase, Vertex AI, Git, Postman, CI/CD

**Soft Skills :** Leadership, Growth Mindset, Critical Thinking, Information Sharing, Problem-solving, Teamwork, Effective Communication, Time Management, Project Management