ANDI MUHAMMAD ALIEF FAUZAN

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SUMMARY

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

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

Bachelor of Informatics, Telkom University   *2022 - Present*
- GPA: 3.64 / 4.00
- Relevant Courework: Object-Oriented Programming**,** Data Structures, Algorithms, Software Analysis and Design

PROJECTS

PeduliPasal - Legal Learning Platform   *September 2024 – December 2025*
- 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 2025 – Present*

- 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

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.

Learn AI Basics (Belajar Dasar AI)   *November 2024*
- This beginner-friendly course introduces foundational AI concepts and their applications. By the end of the class, participants are expected to understand and evaluate the basic principles of AI and their practical uses.

Learn Web Programming Basics (Belajar Dasar Pemrograman Web)   *September 2024*
- This class thoroughly discusses the basics of HTML and CSS as the three foundations of website creation. These foundations are needed for those of you who want to develop your website development skills to a more advanced level. Compiled and verified by the Dicoding expert team, the material presented is structured and comprehensive.

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.

Introduction to Programming Logic (Programming Logic 101)   *September 2024*
- A beginner-oriented course covering programming logic fundamentals. Participants learn to apply logical problem-solving techniques in software development tasks.

Getting Started with Programming Basics to Become a Software Developer   *September 2024*
- This class introduces programming fundamentals for aspiring software developers. Participants learn to create software applications using flowcharts and basic technologies like HTML, CSS, and JavaScript, adhering to industry standards.

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

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