

ALBERT

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EDUCATION

Bachelor of Science – Telecommunication Engineering *Aug 2021 – Jul 2025*

Institut Teknologi Bandung | GPA: 3.67 / 4.00 (148 credits)

Thesis: Joint Optimization of Beacon Rate and Transmission Power for Vehicle-to Vehicle (V2V) Communication in Highway Line-of Sight (LOS) Scenario using Deep Reinforcement Learning.

Achievement: ZTE Indonesia Scholarship Awardee (2023).

WORK EXPERIENCE

Service Delivery Engineer Intern | PT. ZTE Indonesia - Jakarta *Jul 2024 – Oct 2024*

- Executed Level 2 (Visual) & Level 3 (Functional) commissioning for Data Center Building Management System (BMS), ensuring system readiness in collaboration with consultant teams.
- Resolved critical connectivity issues by configuring network switches (CLI), implementing VLAN segmentation, PoE, and security ACLs for the BMS/CCTV network.
- Troubleshoot and verified Modbus-to-BACnet IP protocol integration, using Modbus Poll to validate data flow from field devices to the BMS server.

PROJECTS

Egglyze: Egg Quality Classification System Based on Shell Analysis *Oct 2024 – Dec 2024*
Bangkit Academy Capstone Project | Google Compute Engine + Cloud Firestore + Python (Flask)

- Designed and deployed a reliable real-time egg quality prediction system architecture by integrating a Flask-based ML backend on Google Compute Engine with Firestore data handling, validated through Postman API testing.

Global E-Commerce Cloud Architecture (GCP) *May 2024 – Jun 2024*
Personal Project | Global HTTP(S) Load Balancer + Managed Instance Groups (MIGs) + Cloud Monitoring

- Designed and implemented a multi-region GCP architecture with auto-scaling, maintaining stability during load testing despite CPU utilization spikes exceeding 200% and a peak system load of only 1.2.

SKILLS

Technical: Javascript/Typescript, ReactJS, Node.js/Express.js, Python, C++, Flask, FastAPI, Terraform, Jenkins, PostgreSQL, MySQL, Git, GitHub Actions, Amazon Web Services (AWS), Google Cloud Platform (GCP), Alibaba Cloud, Oracle Cloud Infrastructure (OCI), and Huawei Cloud.

Languages: English (Intermediate), Indonesian (Native), Mandarin Simplified (HSK5/TOCFL-B2)

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Multicloud Certified Professional – *Oct 2025*

Google Cloud Certified - Associate Cloud Engineer – *May 2025*

Alibaba Cloud Certified Associate (Cloud, Big Data, DB) – *Feb, May, Aug 2024*

Huawei Certified ICT Associate – Cloud Service – *Dec 2023*