

Work Experience

Senior DevOps Engineer **Aliz** **Oct 2025 - Dec 2025**
Remote, Indonesia

Aliz.ai is a premier Google Cloud partner specializing in data analytics, machine learning, and cloud infrastructure, helping businesses modernize operations and drive growth through tailored, end-to-end cloud solutions.

- **Enterprise Landing Zone Architect:** Led the design and delivery of a standardized Google Cloud Platform (GCP) Landing Zone, migrating a legacy environment to a modular, IaC-driven architecture to accelerate deployment speed and operational reliability.
- **Network Modernization:** Architected and implemented advanced cloud networking solutions following GCP best practices, optimizing connectivity and performance for client-facing applications.
- **Data Security & Governance:** Engineered robust security perimeters using **VPC Service Controls** to prevent data exfiltration, implementing granular service perimeters that restricted access to authorized user groups and applications.
- **Compliance-First Infrastructure:** Standardized infrastructure security protocols, ensuring client environments met rigorous data protection standards through automated governance policies.

Infrastructure Architect **Bukalapak** **Feb 2022 - Sept 2025**
Jakarta, Indonesia

Bukalapak is one of the leading technology (unicorn) and marketplace companies in Indonesia that focuses on the empowerment of UMKM and the development of the all-commerce ecosystem, including Mitra Bukalapak services for traditional stalls.

- **Strategic Platform Engineering:** Spearheaded the design and implementation of an enterprise-grade Infrastructure-as-Code (IaC) framework to standardize cloud provisioning across the organization.
- **Operational Excellence & GitOps:** Automated complex cloud infrastructure workflows using Terraform, ArgoCD, and GitLab CI, significantly increasing engineer productivity and deployment reliability.
- **Architectural Standardization:** Defined and enforced technical standards for Kubernetes and Docker environments, ensuring a consistent, scalable, and secure platform for microservices.
- **Stakeholder Alignment:** Acted as a technical bridge, translating business requirements into scalable automation strategies based on GitOps principles.

Senior DevOps Engineer **Bukalapak** **Feb 2020 - Jan 2022**
Jakarta, Indonesia

- **Continuous Delivery Orchestration:** Developed and optimized automated deployment pipelines for microservices using GitLab CI and Ansible AWX/Tower, targeting hybrid environments including on-premise and cloud instance groups.
- **Infrastructure Modernization:** Migrated legacy service deployments to Kubernetes clusters, establishing GitOps best practices to ensure reproducible and resilient application delivery.
- **Scalability & Performance:** Orchestrated the lifecycle of infrastructure services, ensuring high availability for critical application components across diverse cloud platforms.

Senior System Engineer **Bukalapak** **Feb 2017 - Jan 2020**
Jakarta, Indonesia

- **Large-Scale Database Management:** Engineered and maintained highly available data clusters, including Redis, MySQL (Multi-master), and Hadoop/HBase to support Bukalapak's rapid growth.
- **High-Traffic Traffic Management:** Deployed and tuned high-performance load balancers (Nginx, HAProxy) to manage massive user traffic and ensure sub-second latency.
- **Legacy-to-Modern Transition:** Introduced Ansible automation to day-to-day data center operations, reducing manual configuration errors and standardizing server performance across the fleet.

Education and Certifications

- **M.Sc. Computational Science**, Institut Teknologi Bandung, Indonesia. **2015–2018**
- **B.Eng. Engineering Physics**, Institut Teknologi Bandung, Indonesia. **2010–2014**

Technologies and Languages

- Languages: Python, Go
- Technologies: Kubernetes, Linux, GCP, Git
- Skills: Networking, Bash scripting