

# AINUN ABDULLAH

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**Certified Kubernetes Administrator (CNCF)**

## PROFESSIONAL SUMMARY

Seasoned Site Reliability Engineer with 5+ years of expertise in designing, scaling, and optimizing cloud-native infrastructure for fintech and edtech platforms. Proven experience in cost optimization, implementing enterprise-grade observability systems, and maintaining high-availability platforms. Expert in Kubernetes, Infrastructure as Code, and monitoring at scale across GCP, AWS, and hybrid environments.

## CORE TECHNICAL SKILLS

**Cloud Platforms & Infrastructure:** Amazon Web Services (AWS), Google Cloud Platform (GCP), DigitalOcean, Infrastructure as Code, Terraform, Ansible, CloudFormation, Kubernetes, Docker, Container Orchestration

**DevOps & CI/CD:** Jenkins, GitHub Actions, GitLab CI/CD, ArgoCD, FluxCD, GitOps, Continuous Integration, Continuous Deployment, Configuration Management, Automation

**Monitoring & Observability:** Prometheus, Grafana, Thanos, Alertmanager, ELK Stack, Elasticsearch, Logstash, Kibana, SLI/SLO Implementation, APM, Site Reliability Engineering

**Programming & Scripting:** Go, Python, Node.js, PHP, Bash, Shell Scripting, Vue.js, JavaScript, REST APIs, SQL

**Databases & Storage:** MySQL, PostgreSQL, MongoDB, Redis, Google Cloud Storage, AWS S3, Database Performance Optimization

**Security & Compliance:** Wazuh SIEM, Security Monitoring, Incident Management, Network Security, Vulnerability Assessment

**Operating Systems & Networking:** Linux Administration, Ubuntu, CentOS, TCP/IP, DNS, Load Balancing, Nginx, HAProxy

## PROFESSIONAL EXPERIENCE

### Site Reliability Engineer - Monitoring Platform Specialist

*PT. Alami Teknologi Sharia (Hijra Group) - Jakarta (Remote) | June 2022 - February 2025*

*Leading sharia-compliant fintech platform serving active users processing financial transactions.*

- Designed and implemented comprehensive observability stack using Prometheus, Grafana, Thanos, and Alertmanager as core member of monitoring team, significantly reducing mean time to recovery
- Contributed to observability platform migration from Compute Engine to Kubernetes (GKE), implementing containerized monitoring services and improving platform scalability
- Developed "monitoring as code" framework using Kubernetes Kustomize manifests and Terraform, automating monitoring infrastructure deployment and reducing manual configuration effort by approximately **80%**
- Integrated ELK Stack with Google Cloud Logging for unified log management across multiple microservices, improving debugging efficiency and supporting compliance requirements
- Collaborated with security team to integrate Wazuh SIEM with existing monitoring platform, enhancing security observability and incident correlation capabilities

- Maintained high platform uptime through robust monitoring, intelligent alerting, and rapid incident detection workflows

## Infrastructure Engineer

*PT. Pahami Cipta Edukasi (Pahamify) - Bogor (Remote) | December 2020 - June 2022*

*Indonesia's leading online education platform. MURI World Record holder for largest online UTBK mock exam (64,160 participants). Served as primary infrastructure engineer handling day-to-day platform operations.*

- Successfully managed infrastructure operations during Indonesia's largest online UTBK mock exam with 64,160 concurrent participants, achieving zero downtime and seamless user experience
- Achieved significant infrastructure cost reduction (approximately **50%**) through strategic implementation of preemptible VM instances on GCP, delivering substantial annual cost savings while maintaining performance standards
- Executed complete cloud migration from AWS to Google Cloud Platform, reducing maintenance overhead and improving system performance with minimal business disruption
- Designed and implemented auto-scaling infrastructure solutions using Kubernetes and GCP services to handle high traffic spikes during peak examination periods
- Implemented comprehensive CI/CD pipelines and DevOps automation significantly reducing deployment cycles and improving development efficiency
- Developed Infrastructure as Code solutions using Terraform and configuration management tools for automated provisioning and disaster recovery
- Mentored junior engineering team members on cloud-native technologies, DevOps best practices, and modern infrastructure management

## Staff Engineer

*PT. Traspac Makmur Sejahtera - Surabaya | September 2019 - December 2020*

*Digital transformation company specializing in enterprise application development, system integration, and consulting services for government, military, and industrial clients.*

- Joined founding team to develop "Umrahaj" - new Hajj and Umrah booking platform from ground-up, responsible for complete infrastructure setup and full-stack development
- Designed and deployed scalable server infrastructure supporting new product development, implementing cloud-based solutions for high-availability enterprise applications
- Developed frontend components using Vue.js while maintaining backend services, contributing to enterprise-grade application development standards
- Mentored SMK (vocational high school) interns on software development fundamentals, code review practices, and professional development skills
- Contributed to product development following enterprise standards and best practices, collaborating with cross-functional teams in structured development environment

## Programmer Intern

*PT. Infoglobal Teknologi Semesta - Surabaya | January 2018 - March 2018*

*Indonesian defense technology company established in 1992, specializing in defense systems (alutsista), avionics, radar data processing, mission systems, and IT solutions for government, defense, energy, and asset management sectors.*

- Designed and implemented comprehensive enterprise payroll system using CodeIgniter framework, supporting complex salary calculations for company employees
- Created normalized database schema with optimized queries, significantly improving report generation performance and system efficiency

## ADDITIONAL EXPERIENCE

### Computer Network Engineering Instructor (Part-time)

Pondok Pesantren Maskumambang - Gresik | June 2022 - Present (Weekends)

- Teaching Computer Network Engineering fundamentals to vocational high school students
- Contributing to curriculum development bridging theoretical knowledge with industry applications
- Mentoring students in technical projects, career guidance, and industry best practices

## EDUCATION

### D4, Informatics Engineering | Electronic Engineering Polytechnic of Surabaya (PENS) | 2015-2019

- Final Project: Analysis of DNS Traffic on Indonesian Country Code Top Level Domain
- Leadership: Chairman of Open Source Community, Secretary of Software Engineering Organization

### Vocational High School, Computer and Network Engineering | SMK Maskumambang 1 | 2012-2015

## CERTIFICATIONS

### Certified Kubernetes Administrator (CKA)

The Linux Foundation | Valid through November 2026

Certificate ID: [LF-e10zfpd9er](#)

## KEY PROJECTS & CONSULTING

### OMNI IT Consulting - DevOps Engineer (Freelance) | April 2025 - Present

- Managing infrastructure supporting 150+ client websites across multiple environments
- Initiated and leading observability system implementation to transform reactive operations into proactive monitoring approach
- Supporting development teams with deployments, troubleshooting, and infrastructure optimization initiatives

### Checkervisor.id - Infrastructure Consultant (Freelance) | 2023 - Present

- Designed and implemented production infrastructure on DigitalOcean, establishing reliable foundation for business operations
- Built comprehensive monitoring solution with Grafana and Prometheus, achieving 99.95% uptime SLA
- Optimized infrastructure costs by 30% through efficient resource management and automated processes

### Advanced Homelab Infrastructure Research (Personal Project) | 2024 - Present

- Built enterprise-grade homelab using 4x Lenovo ThinkCentre M720Q mini PCs with Proxmox, deploying 3-node Kubernetes cluster and additional services with GitOps workflows
- Implemented Prometheus and Grafana monitoring stack for cluster observability and infrastructure monitoring

## ADDITIONAL INFORMATION

Languages: Indonesian (Native), English (Professional Working Proficiency)

Availability: Open to remote opportunities and hybrid arrangements

Specializations: Kubernetes at enterprise scale, Multi-cloud architecture, FinTech infrastructure, Cost optimization