

Ainun Abdullah

Site Reliability Engineer

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Profile

*"A highly skilled and dedicated software engineer with over **5 years of experience** in building and optimizing robust infrastructure solutions. Specializing in Site Reliability Engineering (SRE), DevOps, and cloud technologies, I am passionate about improving system reliability, scalability, and performance. I excel in implementing best practices and automation to drive efficiency and innovation within cross-functional teams, delivering exceptional results in fast-paced environments."*

Gresik, Indonesia
61155

Online Profiles

- [linkedin.com/in/abdullahainun](https://www.linkedin.com/in/abdullahainun)
- github.com/abdullahainun
- abdullahainun.site

Education

D4 Informatics Engineering at Electronic Engineering Polytechnic Of Surabaya (PENS)

Surabaya, Indonesia

2015/2019

- Final Project: Analisis Trafik DNS Pada Country Code Top Level Domain Indonesia
- Organization: Open Source Community, PENS

Vocational High School in Computer and Network Engineering at SMK Maskumambang 1 Dukun

Gresik, Indonesia

2012/2015

Working Experiences

SRE/Reliability team at PT. Alami Teknologi Sharia (alamisharia.co.id and hijra.id)

Jakarta, Indonesia

June 2022/February 2025

- Maintain a monitoring platform which runs on docker and compute engines.
- Initiate monitoring platform project, integrating **"monitoring as code"** practices to automate monitoring infrastructure.
- Migrate monitoring platform from compute engine to kubernetes.
- Design grafana dashboard and alerting rule.
- Implement an alerting system with Google Cloud Monitoring and Alertmanager.
- Implement High Availability solution for monitoring platform with Thanos.
- Implement a logging system with Google Cloud Logging and ELK Stack.
- Research new technology implementation.
- Help the security team to deploy Wazuh.

Stack: Compute Engine, GKE, Terraform, ArgoCD, Elasticsearch, Github Action, Prometheus, Thanos, Google Cloud Monitoring, Google Cloud Logging, Alertmanager, etc.

Hijra Group is a sharia financial technology platform that aims to revolutionise the islamic finance industry in Indonesia. At hijra I joined the monitoring/reliability team of SRE.

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Infrastructure Engineer at PT. Pahami Cipta Edukasi (pahamify.com)

Bogor, Indonesia

December 2020/June 2022

- Achieve over **50% cost savings** through preemptible VM Instances implementation.
- Migrate Pahamify infrastructure from AWS to GCP.
- Maintain Pahamify infrastructure day to day.
- Research new technology implementation.
- Mentor kampus merdeka squads.

Stack: AWS EC2, AWS Cloudfront, Google Kubernetes Engine, Terraform, MySQL, Bitbucket Pipeline, Kafka, Go, NodeJs, Python.

Pahamify is a leading education technology company in Indonesia, known for creating the most engaging and innovative learning app.

Staff Engineer at PT. Traspac Makmur Sejahtera (traspac.co.id)

Surabaya, Indonesia

September 2019/December 2020

- Initiate marketplace applications for Hajj and Umrah services.
- Research cloud infrastructure implementation.
- Create and manage an **application infrastructure**.
- Create a CI/CD release pipeline.
- Develop application frontend platform.

Stack: OpenNebula, DigitalOcean, Docker, Kubernetes, Jenkins, Gitlab CI, PHP, NodeJs, VueJs, PostgreSQL

Traspac is a software house that undertook a project to develop an application for e-commerce Umrah and Hajj.

Programmer Internship at PT. Infoglobal Teknologi Semesta

Surabaya, Indonesia

January 2018/March 2018

- Research payroll process.
- Design payroll system.
- Implement waterfall software development methodology.
- Develop the application using codeigniter and bootstrap framework.

Stack: Codeigniter, Bootstrap, PHP, Javascript, CSS, MySQL

Project or Research Experiences

- **Project (2023 - Present):** Create and maintain the application infrastructure of checkervisor.id which runs on DigitalOcean Instances.
- **Research (2025):** Built a low budget homelab using a cluster of **Mini PC M720q** for learning and self research.
- **Research (2025):** Develop [homelab-tf-proxmox](#) for Proxmox provisioning through Terraform.
- **Research (2025):** Develop [homelab-k8s](#) for Kubernetes deployment through flux GitOps.
- **Research (2024):** Built a low power **NAS server** with a Raspberry Pi 5 and two 4TB hard drives.

Certificates

- Certified Kubernetes Administrator (CKA) November 06, 2023/November 06, 2026