pasak alam marifatullah

DEVOPS ENGINEER | CLOUD ENGINEER | SRE

Profile

A DevOps Engineer with extensive expertise in IT infrastructure management, automation, and system monitoring. My experience includes architecture migration, cloud cost optimization, and the implementation of efficient CI/CD pipelines. I focus on enhancing system reliability and performance, demonstrated through the successful projects I have managed. With the ability to design innovative solutions and implement best practices, I am ready to support and optimize sustainable business growth.

Employment History

Lead DevOps Engineer, PT Tempo Inti Media, Jakarta

MARCH 2024 — PRESENT

- Management Team and System
- Plan and Implement new architectur to running in aws EKS
- Setup VPC, Subnet with Terraform
- Setup EKS cluster with terraform (cluster, nodegroup, add-ons)
- Migration container orchestra from ECS to EKS
- Migration frontend and backend to EKS cluster
- Setup ingress with helm (Ingress nginx)
- Setup Monitoring tools with helm (Grafana, Prometheus, Prometheus Exporter)
- Setup Loging tools with helm
- Setup monitoring apm for distributing tracing
- Setup REDIS
- Setup RDS (Postgress, Mysql)
- Install node exporter for monitoring detail ec2 resource instance
- Install cadvisor to monitoring detail container resource
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SRE, PT Kitalulus International, Jakarta

JULY 2022 — SEPTEMBER 2024

- Migration from compute engine GCP to aws EKS
- Centralize terraform state in s3
- Setup VPC, Subnet with Terraform
- Setup AWS EKS cluster with terraform
- Setup AWS IAM with terraform
- Improved system reliability by setting up monitoring metrics using Grafana and Prometheus exporters via Helm, ensuring deep and proactive performance monitoring.
- Developed a comprehensive logging solution with Fluentbit, Elasticsearch, and Kibana using Helm, enhancing log data visibility and analysis.
- Implemented self-hosted GitHub Runners to accelerate the CI/CD process and improve development efficiency.
- Led the architecture migration from AMD to ARM, boosting performance and cost efficiency.
- Setup Autoscaler for scalability in eks environment
- Utilized Ingress as a gateway with installation via Helm, and implemented autoscalers and Pod Disruption Budgets (PDB) in EKS to enhance application scalability and reliability.

Details

Bekasi
Indonesia
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alam030995@gmail.com

Skills

Manage CLoud Infrastructure: AWS, Google Cloud Platform,

IAAC: Ansible, Terraform

, CI/CD: jenkins, github, gitlab

Logging/Monitoring: Prometheus, Grafana, ELK Stack

Container Orchestra : OKD, ECS, EKS

Manajemen Sistem Operasi: Linux, Windows

Opimize : Cost and Performance

Security

- Applied spot instances in multiple Nodegroups to optimize costs and ensure adequate capacity.
- Established APM and application transaction monitoring systems with Sentry, increasing visibility and control over application performance.
- Create CICD on Gitlab CICD and Github Action

Infra Engineer, PT MNC Aladin Indonesia, Jakarta

DECEMBER 2020 — MARCH 2024

- Designed and implemented a scalable and robust infrastructure architecture, ensuring the infrastructure supports rapid business growth.
- Deployed applications using Jenkins CI/CD and managed container orchestration with ECS, improving deployment efficiency and container management.
- Implemented CloudWatch for logging, enabling better real-time monitoring and quick response to issues.
- Migration service from AMD/Intel to Graviton
- Achieved a 40% AWS cost optimization, significantly reducing operational expenses while maintaining high performance.

DevOps Engineer, PT Kreasi Nostra Mandiri (Sayurbox), Jakarta

APRIL 2019 — DECEMBER 2020

- Enhanced operational efficiency by developing automation solutions for cloud infrastructure, reducing manual tasks and increasing consistency.
- Successfully managed the migration from Compute Engine on GCP to OpenShift (Kubernetes), significantly improving system scalability and flexibility.
- Created an efficient CI/CD pipeline, accelerating the deployment process and improving software release reliability.

Junior Devops Engineer, PT. Nostra Solution Technology, Jakarta

MARCH 2018 — APRIL 2019

- Implemented and maintained a CI/CD pipeline using Jenkins, accelerating the software development cycle and enhancing the development team's efficiency.
- Managed and optimized development and production environments, maintaining system stability and significantly reducing downtime.
- Quickly resolved infrastructure issues, ensuring smooth and efficient operation of client servers.

Education

SMK, Bina Mandiri Bekasi , BEKASI

JULY 2010 — JULY 2013

Jurusan Teknik Informatika dan Jaringan

D3, Telkom Professional Development Center , Jakarta

JULY 2013 — JULY 2015

Jurusan Network Administration Professional (NAP)

S1, UNIVERSITAS PASUNDAN, Bandung

2015 — 2018

Jurusan Teknik Informatika