HARY SETIAWAN

DevOps Engineer | Site Reliability Engineer
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PROFESSIONAL SUMMARY

Results-driven Site Reliability Engineer specializing in high-impact infrastructure modernization. Proven track record of transforming legacy, on-premise systems into scalable, containerized environments using Kubernetes and AWS. Expert in elevating system reliability through robust observability (Prometheus, Grafana) and implementing streamlined CI/CD automation with GitHub Actions. Deeply committed to security and performance, continuously evaluating emerging technologies to deliver future-proof solutions that maximize uptime.

TECHNICAL SKILLS

Cloud Native Architecture & Orchestration: Kubernetes (EKS/Self-hosted), AWS (EC2, S3, IAM, VPC), Docker Swarm, Terraform (IaC), Helm Charts, Containerization Strategies

DevSecOps & CI/CD Automation: GitHub Actions, Bitbucket Pipelines, Teleport (Zero Trust Access), Authentik (SSO/OIDC), Vulnerability Scanning, Secret Management

Observability & Site Reliability (SRE): Prometheus (Metrics), Grafana (Dashboards), Loki (Log Aggregation), Incident Response, AlertManager, System Performance Tuning, Vector

Scripting & Backend Engineering: Go (Golang), Python (Automation), Bash/Shell Scripting, JavaScript (Next.js), SQL (MySQL), Redis, Linux System Internals

WORK EXPERIENCE

SRE / Platform Engineer   Jan 2024 – Present
Bookandlink (Tripla Indonesia) | Remote

Responsibilities:

   • **Cloud Infrastructure Engineering:** Administer and optimize Kubernetes (EKS) clusters and AWS services (EC2, S3, IAM), ensuring strict adherence to SLAs and cost-efficient scaling.

   • **Observability & Incident Response:** Engineer monitoring pipelines using Prometheus, Grafana, and Loki, reducing MTTR by proactively identifying API bottlenecks.

   • **Release Engineering:** Standardize application lifecycle management by developing modular Helm charts and manifests for reproducible deployments.

   • **Technical Liaison:** Lead technical coordination between internal teams and external partners (OTA/PMS providers), driving third-party connectivity solutions.

Key Achievements:

   • **Accelerated Deployment Cycles:** Engineered automated CI/CD pipelines via Bitbucket, reducing manual deployment time by 30% and increasing release frequency to on-demand.

   • **Cost Reduction:** Led capacity planning and AWS resource optimization, achieving a 30% reduction in monthly cloud infrastructure costs.

   • **Security Hardening:** Deployed Teleport and SSO Authentik to establish a Zero Trust model, ensuring 100% auditability and reducing provisioning time by 80%.

   • **Infrastructure Standardization:** Migrated manual configurations to Helm charts, reducing configuration drift by 50% and cutting service onboarding time by 6 hours.

   • **Reliability Improvement:** Enhanced observability, reducing MTTR for production incidents by 50% through proactive alerting.

DevOps Engineer (Contract)   Apr 2023 – Sep 2023
Slash | Remote

Responsibilities:

• **Cloud Provisioning:** Architect and manage scalable AWS ecosystems (EKS, S3, ALB) using Terraform workspaces, ensuring adherence to IaC best practices.

• **Security & IAM Governance:** Enforce Least Privilege using AWS IAM Roles and WAF, systematically auditing permissions to minimize attack surface.

• **CI/CD Optimization:** Automate code delivery pipelines to ensure seamless, error-free deployments and high developer velocity.

• **Dependency & Vulnerability Management:** Proactively address dependency conflicts and security vulnerabilities (CVEs) to ensure supply chain security.

Key Achievements:

• **Legacy Reverse Engineering:** Successfully reverse-engineered and redeployed undocumented infrastructure clusters, maintaining 100% availability during architecture changes.

• **Security Hardening (OIDC):** Spearheaded transition to OpenID Connect (OIDC), implementing a model that eliminated long-lived credentials and reduced attack surface by 100%.

• **Pipeline Agility:** Re-architected rigid CI/CD pipelines into modular workflows, reducing lead time for changes by 50%.

• **Operational Resilience:** Stabilized a 'black box' environment without prior documentation, auditing the stack to reduce onboarding time for future engineers by 100%.

DevOps Engineer   Jun 2021 – Apr 2023
DFlow | Remote

Responsibilities:

• **System Architecture & Governance:** Architected enterprise-grade Kubernetes clusters, defining standards for HA and disaster recovery to ensure 99.99% uptime.

• **Legacy Modernization:** Directed the strategic migration of legacy shared-hosting applications to containerized Kubernetes environments with zero downtime.

• **Data Operations:** Orchestrated complex database migrations and environment standardization, ensuring data integrity during transitions.

Key Achievements:

• **Cloud Migration:** Led end-to-end migration of on-premise systems to AWS EKS, improving deployment agility and system uptime to 99.99%.

• **Cost Optimization:** Achieved 30% reduction in infrastructure costs through aggressive rightsizing of EC2 and storage resources.

• **Performance Engineering:** Re-architected file processing workflows to resolve 'Big File' bottlenecks, resulting in a 90% increase in processing speed.

DevOps Engineer   Jan 2021 – Jun 2021
PT Chaintob International

Responsibilities:

• **Container Orchestration:** Architected and deployed fault-tolerant Docker Swarm clusters and service meshes for mission-critical applications.

• **API Strategy:** Designed solution architecture for a centralized API Marketplace leveraging Kong API Gateway.

Key Achievements:

• **Container Orchestration:** Provisioned high-availability Docker Swarm cluster, ensuring 99.9% uptime.

• **API Marketplace:** Designed custom API Gateway solution, improving inter-service communication speed by 100%.

Backend Engineer   Mar 2020 – Jun 2021
PT Chaintob International

Responsibilities:

    • **Backend Engineering:** Architected scalable microservices using Node.js and Strapi, supporting high-concurrency workloads.

    • **AI Integration:** Engineered AI-enhanced RESTful APIs utilizing Computer Vision for identity verification.

Key Achievements:

    • **Multi-Project Delivery:** Orchestrated execution of 4 concurrent infrastructure projects in a high-flux environment.

    • **Strategic Tech Stack:** Evaluated and implemented project-specific technology stacks (PoCs) to prevent tool sprawl.

Backend Engineer   Jun 2019 – Mar 2020

Starworks Global Pte. Ltd.

Key Achievements:

    • Spearheaded development of secure crypto wallet; Engineered Gasless (Meta-transaction) mechanism increasing adoption by 100%.

EDUCATION & CERTIFICATIONS

Bachelor's Degree in Information Technology   2019

Udayana University, Engineering Faculty

AWS Certified Cloud Practitioner (2022 – 2025)

AWS Certified SysOps Administrator (2022 – 2025)