

LILIANE NYAMY KONISSI

DevOps Engineer · Cloud Engineer · Site Reliability Engineer · Platform Engineer

Glen Burnie, MD 21061 · (210) 789-6553 · konissili@gmail.com · linkedin.com/in/liliane-2021 · github.com/lily4499 · lilianek.site

PROFESSIONAL SUMMARY

Results-driven **DevOps and Cloud Engineer** with **5+ years of experience** architecting, automating, and operating mission-critical AWS infrastructure and CI/CD ecosystems at scale. Proven track record of **reducing release cycle time by 40%**, cutting infrastructure provisioning effort by **60%**, and improving mean time to detect (MTTD) incidents by **35%**. Deep expertise across the full DevOps lifecycle – Kubernetes/EKS orchestration, Terraform IaC, Jenkins/GitHub Actions pipelines, Docker containerization, Prometheus/Grafana observability, and security hardening with Trivy, tfsec, and HashiCorp Vault. Collaborative cross-functional partner with development, QA, and platform teams, consistently driving reliability, security, and engineering velocity.

TECHNICAL SKILLS

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|---------------------------------------|--|
| Cloud Platforms | AWS (EC2, EKS, ECS, RDS, S3, VPC, IAM, CloudWatch, ALB/NLB, Route 53, Secrets Manager) · Azure (foundational) · GCP (foundational) |
| Containers & Orchestration | Docker · Kubernetes · Amazon EKS · Helm · Argo CD · Deployments · Services · Ingress · RBAC · HPA/VPA · ConfigMaps · Secrets |
| Infrastructure as Code | Terraform (modules, remote state, workspaces) · CloudFormation · Terragrunt · Ansible |
| CI/CD & GitOps | Jenkins · GitHub Actions · GitLab CI · Argo CD · DockerHub · Artifact management · Branching strategies |
| Monitoring & Observability | Prometheus · Grafana · CloudWatch · ELK/EFK Stack · Alerting · Dashboards · SLI/SLO/SLA · Runbooks · Log analysis |
| Security & Compliance | IAM least-privilege · AWS Secrets Manager · HashiCorp Vault · Trivy · tfsec · SAST integration · Vulnerability scanning |
| Scripting & Automation | Bash · Python · Linux shell scripting · cron · systemd · Automation frameworks |
| Networking & Storage | DNS · TCP/IP · VPC design · NAT Gateway · Load balancing · PostgreSQL · MySQL · Redis · S3 lifecycle policies |

PROFESSIONAL EXPERIENCE

DevOps Engineer

January 2022 – Present

Data Service Group

Bear, DE

- **Architected and maintained production-grade AWS infrastructure** (EC2, EKS, RDS, S3, VPC, IAM, CloudWatch, ALB) across development, staging, and production environments, sustaining **99.9% uptime** for all critical application workloads.
- **Engineered end-to-end CI/CD pipelines** with Jenkins and GitHub Actions – automating code checkout, build, unit testing, Trivy security scanning, Docker image creation, DockerHub push, and Helm-based Kubernetes deployment – **reducing average release cycle time by 40%**.
- **Designed and provisioned reusable Terraform modules** (VPC, subnets, security groups, EC2, S3, IAM, EKS), cutting manual infrastructure provisioning effort by **60%** and enforcing environment consistency across all teams.
- **Managed and optimized Amazon EKS clusters** supporting **10+ microservices in production**, configuring Deployments, Services, Ingress controllers, ConfigMaps, Secrets, RBAC policies, HPA, and namespace isolation for workload security and scalability.

- **Standardized multi-environment Kubernetes deployments** by authoring reusable Helm charts and templates, eliminating configuration drift between dev, staging, and production.
- **Optimized Docker image build pipelines** using multi-stage Dockerfiles, reducing image sizes by up to **50%** and eliminating environment inconsistency issues across all containerized services.
- **Automated security quality gates** by integrating Trivy container scanning and tfsec IaC analysis into CI/CD pipelines, blocking vulnerable images and misconfigured infrastructure from reaching production.
- **Built and maintained a centralized Prometheus + Grafana + CloudWatch + ELK observability stack**, creating dashboards tracking CPU, memory, pod health, error rates, and latency – **reducing MTTD by 35%** across production services.
- **Developed Bash and Python automation scripts** for deployment health checks, log rotation, S3 backup validation, and scheduled maintenance, saving an estimated **8+ hours of manual operational effort per week**.
- **Led production incident response** by triaging CloudWatch and Grafana alerts, performing root-cause analysis, authoring RCA reports, and publishing preventive runbooks – **improving MTTR by 30%**.
- **Hardened secrets management** by migrating hardcoded credentials to AWS Secrets Manager and HashiCorp Vault, eliminating all exposed secrets from application configurations and source code repositories.
- **Partnered with 5+ development and QA teams** to define deployment gates, rollback procedures, and release checklists, increasing release confidence and reducing post-deployment rollbacks.

Freelance Cloud & DevOps Engineer

June 2019 – December 2021

Independent / Project-Based

Douala, Cameroon

- **Delivered end-to-end Linux system administration and DevOps automation** for small businesses across Ubuntu/CentOS environments – covering server setup, user management, firewall configuration, package management, and service monitoring.
- **Containerized client applications** using Docker and Docker Compose, standardizing local development environments and reducing environment-related deployment failures.
- **Migrated client teams from manual deployments to Git-based CI/CD workflows**, improving release reliability, traceability, and rollback capability across multiple projects.
- **Provisioned and configured AWS EC2, S3, IAM, Security Groups, and CloudWatch resources** for client workloads, enabling scalable cloud hosting and proactive monitoring for web applications.
- **Authored Bash automation scripts** for scheduled backups, log cleanup, service health checks, and restart workflows, significantly reducing recurring manual support overhead.
- **Executed MySQL and PostgreSQL database backup, recovery, and integrity verification procedures**, documenting all processes in detailed client-facing runbooks.
- **Produced comprehensive runbooks, deployment guides, and troubleshooting documentation** for client handoff, enabling teams to independently manage routine infrastructure operations.

SELECTED PROJECTS

EKS Platform Deployment & Automation

Designed and deployed a production-ready Kubernetes platform on Amazon EKS using Terraform for infrastructure provisioning, Helm for application deployment, and Prometheus + CloudWatch for full-stack observability. Automated end-to-end workflows covering provisioning, deployment, scaling, monitoring, and rollback.

Tools: AWS EKS · Terraform · Docker · Helm · Kubernetes · Prometheus · CloudWatch · Jenkins · GitHub Actions

CI/CD Pipeline Modernization

Built reusable, parameterized CI/CD pipeline templates in Jenkins and GitHub Actions covering code checkout, build, unit testing, Trivy security scanning, Docker image build/push to DockerHub, and Helm-based Kubernetes deployment. Standardized release workflows across multiple services and reduced pipeline execution time.

Tools: Jenkins · GitHub Actions · Docker · DockerHub · Trivy · Helm · Kubernetes

Centralized Monitoring & Observability Platform

Implemented a full observability stack with Prometheus, Grafana, CloudWatch, and ELK. Configured custom dashboards tracking latency, error rates, pod health, resource utilization, and service availability. Defined alerting rules and on-call runbooks to reduce MTTD and MTTR across production.

Tools: Prometheus · Grafana · CloudWatch · ELK Stack · Kubernetes · Linux

GitOps & Kubernetes Release Strategy Demo

Built a reference implementation showcasing rolling updates, blue-green deployments, canary releases, Helm chart templating, Argo CD GitOps continuous sync, and automated rollback procedures. Published on GitHub as an open-source DevOps portfolio reference.

Tools: Kubernetes · Helm · Argo CD · GitOps · Prometheus · Grafana · Docker · GitHub

AWS Infrastructure Automation with Terraform

Created modular, production-ready Terraform configurations for AWS – VPC, subnets, route tables, NAT Gateway, security groups, EC2, S3, IAM roles/policies, and EKS clusters – with remote state management via S3 + DynamoDB locking for team-safe, drift-free infrastructure operations.

Tools: Terraform · AWS (VPC, EC2, S3, IAM, EKS) · S3 Remote State · DynamoDB

CERTIFICATIONS IN PROGRESS

- AWS Certified Solutions Architect – Associate *(in progress)*
- Certified Kubernetes Administrator (CKA) *(in progress)*
- HashiCorp Certified: Terraform Associate *(in progress)*

EDUCATION

Master of Business Administration (MBA) – Management

ESSEC Business School · Douala, Cameroon · June 2015