AKUPHE DIEUDONNE

CLOUD, DEVOPS, SRE&DEVSECOPS ENGINEER

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PROFILE

I am a result driven Senior Cloud, DevOps, SRE, and DevSecOps Engineer with deep expertise in designing, optimizing, and securing modern cloud infrastructure. With years of hands-on experience across AWS ecosystems, I specialize in infrastructure automation, CI/CD pipeline development, and container orchestration using Kubernetes. My strength lies in blending innovation with reliability enabling engineering teams to scale faster, deploy safer, and operate smarter. Passionate about driving operational excellence, I continuously adopt the latest Cloud and DevOps practices to transform ideas into resilient, production-ready systems.

EDUCATION

2016 - 2019
UNIVERSITY OF BUEA CM

- BSC COMPUTER SCIENCE

2017 - 2019
JJ TECH

- Cloud & Devops Engineering
- GPA: 3.8 / 4.0

WORK EXPERIENCE

2023 - 2025
Virginia USA

Cloud Engineer Sentara Health

- Enhanced system availability and performance by developing a static management system using cache and CDN, resulting in a significantly improved user experience.
- Increased system availability and performance while reducing costs by 10% through the implementation of a proxy image processing and transformation system leveraging cache and CDN.
- Modernized and optimized the infrastructure by introducing a three-layer architecture, significantly boosting overall system efficiency.
- Implemented Infrastructure as Code (IaC) using Terraform, streamlining deployment processes and ensuring consistent infrastructure management.
- Migrated from traditional infrastructure to containerized solutions using Kubernetes, improving scalability and operational efficiency.
- Developed a centralized monitoring dashboard with Grafana and Prometheus, accelerating incident tracking and enhancing response times.
- Simplified backup strategies through the use of tagging, ensuring efficient data management and streamlined recovery processes.

SKILLS

- AWS
- DevOps
- DevSecOps
- Kubernetes
- Terraform
- Ansible
- Jenkins
- Docker
- Cloud Security
- CloudFormation
- Grafana
- Cloud Infrastructure
- CI/CD
- Prometheus
- Lambda
- API Gateway
- Linux Environment
- Database
- Python
- Bash
- Github Actions

2021 - 2023

Chicago IL USA

Senior Devops engineer Morgan Stanley

- Provisioned and managed infrastructure using Terraform and Ansible, ensuring efficient and reliable deployment of resources.
- Created CI/CD automation workflows with GitHub Actions, streamlining the development and release process.
- Implemented container management and monitoring with Prometheus, enhancing visibility and control over containerized applications.
- Integrated various tools and systems to improve collaboration and operational efficiency across development and operations teams.
- Conducted troubleshooting and root cause analysis, quickly identifying and resolving issues to minimize downtime and optimize performance.
- Maintained clear and concise documentation of infrastructure configurations and processes, facilitating knowledge transfer and team onboarding.

2019 - 2021

Chicago IL USA

Site Reliability Engineer Deloitte

- Developed and maintained automated CI/CD pipelines using Jenkins, enabling seamless code deployment for each release.
- Created and managed deployment processes for mobile applications on Android and iOS platforms, ensuring consistent and reliable distribution.
- Provisioned infrastructure, servers, and services using Terraform to enable scalable and consistent environment management.
- Set up monitoring, tracing, and logging tools including ELK Stack, Grafana, and Datadog, providing full visibility into system performance.
- Implemented proactive alerting for services, databases, and logs, reducing the frequency and impact of production issues.
- Managed and monitored Kubernetes-based container clusters, maintaining 99.9% uptime and operational resilience.
- Oversaw and optimized cloud infrastructure on AWS and GCP, handling backups, patching, and auto-scaling.
- Developed and maintained automation scripts to improve operational efficiency and reduce manual interventions.
- Integrated automated testing within the CI/CD pipeline, ensuring release quality and application reliability.
- Scaled Jenkins agents dynamically within Kubernetes to optimize builds and deployments for Go and Node.js projects.
- Consolidated monitoring using Prometheus, Thanos, and Grafana into a single dashboard for centralized system metrics.
- Successfully led migration efforts from GCP to AWS

- Automation & Scripting
- Helm
- Configuration Management
- Identity and Access Management (IAM)
- Cloud Computing IaaS
- Cloud Storage
- Compute
- AWS Elastic Beanstalk
- Git
- Cloud Migration

LANGUAGES

- English