

SIPHEPHELO MLUNGWANA

DevOps Engineer II | Kubernetes • AWS • Observability

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About Me

Self-driven DevOps Engineer with extensive experience in cloud computing, containerisation, infrastructure automation and Kubernetes orchestration. Currently engineering and operating Kubernetes-based platforms on AWS for Discovery Vitality RSA, with deep observability practice across Dynatrace and Grafana. Proven track record designing scalable cloud solutions, building CI/CD pipelines and managing complex infrastructure environments. CKA, CKAD and KCNA certified, with an AWS DevOps Engineer – Professional credential and a strong commitment to reliability and operational excellence.

Education

2019 – 2021

Durban University of Technology

Bachelor of Information and Communication Technology

Core Skills

- Kubernetes
- AWS
- Terraform
- Helm
- Argo CD
- GitOps
- Docker
- CI/CD
- Dynatrace
- Grafana
- Prometheus
- CloudWatch
- Ansible
- Linux
- Python
- Bash
- Git
- CloudFormation

Certifications

Kubernetes & Cloud Native

Certified Kubernetes Administrator (CKA)

Certified Kubernetes Application Developer (CKAD)

Kubernetes and Cloud Native Associate (KCNA)

Amazon Web Services

AWS DevOps Engineer – Professional

Solutions Architect – Associate

Developer – Associate

SysOps Administrator – Associate

Data Engineer – Associate

Cloud Practitioner

Infrastructure & Programming

HashiCorp Certified: Terraform Associate (003)

Python Institute – PCAP

Microsoft MTA – Database Fundamentals

Important Links

- [Website](#)
- [LinkedIn](#)
- [GitHub](#)
- [Credly](#)

Work Experience

DEVOPS ENGINEER II

Discovery Vitality RSA (via Exaze IT) | Jun 2026 – Present

- Operate and scale containerised workloads on Kubernetes across multiple environments, managing deployments, networking, autoscaling and cluster upgrades
- Engineer and maintain AWS infrastructure underpinning Discovery Vitality's digital platforms, applying security, high-availability and cost-optimisation best practices
- Build and own observability with Dynatrace and Grafana — dashboards, alerting, SLOs and distributed tracing for proactive incident detection
- Drive GitOps-based continuous delivery with Argo CD, managing declarative application deployments and automated syncs across clusters
- Automate CI/CD pipelines and infrastructure provisioning to accelerate safe, repeatable releases
- Partner with development teams on release management, performance tuning and incident response, improving overall system reliability

CLOUD AND INFRASTRUCTURE ENGINEER

Freeway Fleet Systems | May 2024 – May 2026

- Managed and optimised Amazon AppStream deployments for virtualised applications
- Designed and maintained CI/CD pipelines using AWS CodePipeline, CodeCommit and CodeBuild
- Developed and managed serverless functions with AWS Lambda
- Administered RDS instances, ensuring backups, availability and performance optimisation
- Managed EC2 instances and S3 storage for scalability and cost efficiency
- Implemented comprehensive monitoring solutions using AWS CloudWatch
- Automated infrastructure provisioning with AWS CloudFormation and Terraform
- Applied security best practices across AWS services, including IAM and encryption
- Troubleshoot complex infrastructure issues and optimised cost and performance across AWS resources

DEVOPS ENGINEER

SplitPoint Solutions | Jun 2023 – May 2024

- Enhanced Telegraf for performance data collection from servers, containers and databases
- Configured InfluxDB for optimised time-series data storage and retrieval
- Created comprehensive Grafana dashboards visualising network, application, server and business metrics
- Used Prometheus for advanced data collection, querying and alert configuration
- Automated server management tasks using SaltStack configuration management
- Managed infrastructure provisioning and updates using Terraform

DEVOPS ENGINEER AND SOFTWARE TESTING

Advateck Branding Media | Oct 2022 – May 2023

- Conducted comprehensive end-to-end UI testing and API testing using Postman
- Set up and maintained web development servers with HTTPS implementation
- Managed SSL certificates and security configurations
- Developed WordPress solutions and provided technical support
- Collaborated on UX/UI design and multimedia content creation

CLOUD SUPPORT ASSOCIATE

Sfikile Consulting (Pty) Ltd | Jan 2022 – Sep 2022

- Maintained and optimised cloud computing systems for multiple clients
- Provided technical support requiring programming knowledge and hardware understanding
- Performed system troubleshooting to identify and resolve performance issues
- Implemented corrective measures for system optimisation
- Managed server software upgrades to ensure optimal performance and security

CLOUD SUPPORT – INTERN

Sfikile Consulting (Pty) Ltd | Jul 2021 – Dec 2021

- Updated servers and installed software via SSH and RDP connections
- Built and executed comprehensive unit tests and test plans
- Monitored system performance and maintained infrastructure according to requirements
- Developed installation and monitoring tools for operational support
- Collaborated with development teams to create automated CI/CD pipelines
- Provided backup and recovery support for cloud resources

IT INFRASTRUCTURE – INTERN

Dark Matter Consultants (Pty) Ltd | Jun 2020 – Dec 2020

- Managed SSL certificates for NGINX and Apache web servers
- Configured security groups and Network ACLs for traffic management
- Assembled and configured physical servers for optimal performance
- Installed and maintained VMware Hypervisor for virtualisation
- Created and managed EC2 instances, VPCs and RDS in AWS environments
- Implemented S3 bucket solutions for secure and scalable storage
- Deployed virtual machines using VirtualBox for flexible IT environments

SOFTWARE DEVELOPMENT TUTOR

Durban University of Technology | Mar 2019 – Dec 2019

- Provided Python programming instruction and mentorship to fellow students
- Developed teaching materials and practical exercises for programming fundamentals
- Assisted students in understanding core programming concepts and techniques

FOUNDER, DIRECTOR & CEO

39 Degrees Film Studio | May 2014 – Nov 2018

- Managed IT infrastructure including networking equipment, servers and workstations
- Implemented AWS cloud services (EC2, S3) for website hosting and operations
- Designed and implemented studio networking solutions
- Provided technical troubleshooting and end-user support
- Developed foundational skills in system administration and cloud services

References

Available on request.