

AMDAVA MOORE COLLINS



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[Amdava Collins](#)



Nairobi, Kenya

SENIOR DEVOPS ENGINEER

- Highly skilled DevOps Engineer with over 6 years of experience in cloud infrastructure management, automation, and continuous integration/continuous deployment (CI/CD) pipeline development.
 - Exceptional track record in leading teams, optimizing cloud costs, and enhancing operational efficiency and executing complex projects. Known for expertise in AWS, GCP, Azure, Jenkins, and IaC technologies such as Terraform and Pulumi.
 - A self-starter, and a hands-on leader who loves technology. Docker Ambassador, K8s big fan. Like to teach and learn every day.
 - Experience leading teams of up to 12 people. Special skills and experience in startups.
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KEY COMPETENCIES

Containerization & Orchestration tools : Docker, Kubernetes, Helm

CI/CD Tools: Jenkins, Azure DevOps, GitHub Actions, Bitbucket Pipelines, Cloud Build, Circle CI, Argo CD

Cloud Platforms: AWS, GCP, Azure

Monitoring tools: Prometheus, Grafana

Infrastructure as code tools: Terraform, CloudFormation, Ansible

Soft Skills: Collaboration and teamwork, Problem-solving skills, continuous learning and self-growth.

PROFESSIONAL EXPERIENCE

DevOps Engineer, BuuPass

Jan 2022 - Present

- **Leadership and Team Management** - Led the DevOps team, providing guidance and support. Managed AWS cost optimization, achieving a reduction of over \$5,000 per month in the first two months.
- **CI/CD Pipeline Development** - Spearheaded the introduction of containerization and managed production systems for over 10 transport sector clients in Kenya and Uganda using Jenkins, Cloud Pipelines, Bitbucket Pipelines, and AWS EKS.
- **Infrastructure Management** - Responsible for infrastructure provisioning using IaC and GitOps, creating highly available and fault-tolerant systems. Implemented autoscaling groups and ingress controllers for AWS EKS.

DevOps Engineer, Upwork

Jan - Dec 2021

- **CI/CD Pipeline Development:** Built complete pipelines in GCP, AWS, and Azure using Cloud Build, Azure DevOps, Code Build, Jenkins, Circle CI, and Argo CI/CD resulting in efficient, reliable deployments and increased code deployment frequency by 300%.
- **Documentation and Analysis** - I provisioned infrastructure by using Terraform, Resource Manager, CloudFormation, and Helm, documented configurations and performed regular analysis, which resulted in scalable and maintainable systems.
- **Monitoring and Support** - I implemented monitoring, alerting, and logging by using Prometheus and Grafana, which resulted in improved system observability and quicker issue resolution.

DevOps Engineer, UvUew

Jul 2020 - Dec 2021

- **Performance Optimization** - I improved the performance of Golang applications by identifying and fixing bottlenecks like concurrency anti-patterns and blocking I/O cases, which resulted in performance gains ranging from 2 to 10 times faster.
- **GitOps Tooling** - I led development activities within the DevOps team for GitOps tooling (GitHub API, Jenkins, Kubernetes): facilitating grooming and standup sessions and PR reviews which resulted in streamlined workflows and enhanced team collaboration.

Business Support Manager, MuddyBoots Software

May 2017 - May 2019

- **Software Development and Support:** I managed software development and support processes by using Microsoft Dynamics, which resulted in streamlined support and improved customer satisfaction.
- **Client Engagement and Training:** I facilitated pre and post-software sales and conducted user training, which resulted in better client relationships and increased product adoption.

Customer Support Manager, NFC Africa Kenya

May 2015 - April 2017

- **Product Development Assistance:** I assisted in new product development by conducting software testing and providing feedback, which resulted in better product quality and functionality.
- **Client Training and Support:** I provided product training and support to clients by traveling to their location, which resulted in 50% increase in customer satisfaction.

EDUCATION & CERTIFICATIONS

Udacity Nanodegree Program. Majors: Cloud DevOps Engineer (AWS)	Sept 2021 - Jan 2022
Road to Google Cloud Certification Program <u>Certified Professional Cloud Architect</u>	Sept - Dec 2021
Google Africa Developer Scholarship Program <u>Certified Associate Cloud Engineer (GCP).</u> <u>Certified Professional Cloud DevOps Engineer(GCP).</u>	June - Oct 2020
Andela Learning Community Certified Azure Fundamentals Azure Administrator	June - Oct 2020
Google on Coursera Google IT Support Professional Certificate	June 2020
University of Nairobi Bachelor of Arts in Anthropology	2012 - 2016

PROJECTS

Microsoft ADC Game of Learners

Role: Project Lead

Description: Delivered a web application providing medical information to users without access to medical facilities. Managed a team of five students using Azure DevOps for planning and collaboration.

Greenlight Quality Control System

Role: Project Manager

Description: Successfully delivered the Greenlight Quality Control system to clients in Zimbabwe, Zambia, and Uganda. Ensured product specialization, consistent quality, and accurate system implementation.

SafeGuard System and Easy Roaster Integration

Role: System Integration Co-Manager

Description: Led the integration of SafeGuard System with Easy Roaster. Scoped business requirements, demonstrated the system to clients, tested the application, trained users, and provided ongoing support.

Cloud Projects on Upwork

Role: Cloud Projects Lead

Description: Managed the delivery of 10 significant projects across GCP, AWS, and Azure, serving over 200,000 end users. Built complete CI/CD pipelines using both open-source and paid tools, primarily on managed Kubernetes.