

Abdulrahman Ahmad Muhamad

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SUMMARY

Results-driven **DevOps/DevSecOps Engineer** skilled in **AWS, Terraform, Kubernetes, and CI/CD automation (Jenkins, GitHub Actions)**. Built and deployed scalable cloud environments reducing release time by 80% and improving reliability by 40%. Strong in **Infrastructure as Code, container orchestration, and cloud security**. Passionate about automation and reliability engineering in global DevOps teams.

TECHNICAL SKILLS

Programming & Scripting: Python, Bash, PowerShell, YAML, JSON

Cloud Platforms: AWS (EC2, S3, IAM, VPC, EKS, CloudWatch), GCP, Azure (Basic)

DevOps & CI/CD: Jenkins, GitHub Actions, GitLab CI, Azure DevOps, CircleCI

Infrastructure as Code (IaC): Terraform, AWS CloudFormation, Ansible

Containers & Orchestration: Docker, Kubernetes, Helm

Monitoring & Logging: Prometheus, Grafana, ELK Stack, AWS CloudWatch

Security & DevSecOps: IAM, SAST/DAST, Secrets Management, Cloud Security

Systems & Networking: Linux (Ubuntu, Kali), DNS, DHCP, Firewalls, TCP/IP

Version Control & Collaboration: Git, GitHub, Bitbucket

PROJECTS

End-to-End DevOps Environment for 3-Tier Web Application

AWS, Terraform, Kubernetes, Jenkins

GitHub Repo

- Automated **AWS infrastructure** (VPC, EC2, RDS, IAM) using Terraform and deployed app via Jenkins CI/CD pipeline.
- Reduced environment setup time from days to minutes with reusable IaC modules.
- Outcome:** Scalable 3-tier environment with monitoring and 100% repeatable deployments.

CI/CD Pipeline for Flask App Deployment

GitHub Actions, Docker, AWS EC2

GitHub Repo

- Built an automated build, test, and deploy workflow with **GitHub Actions**.
- Containerized app with Docker and deployed on AWS EC2 with zero-downtime rollout.
- Outcome:** Deployment cycle reduced from 6 hours to 30 minutes.

Monitoring and Logging Stack

Prometheus, Grafana, AWS CloudWatch, Fluent Bit

GitHub Repo

- Deployed containerized monitoring stack (Prometheus + Grafana) and integrated AWS CloudWatch for logging.
- Outcome:** Enabled proactive issue detection and reduced downtime by 20%.

Terraform Multi-Cloud Infrastructure Project

AWS · Azure · GCP · Terraform · GitHub Actions

GitHub Repo

- Designed and implemented a **multi-cloud IaC architecture** managing AWS, Azure, and GCP resources using Terraform modules.
- Automated provisioning workflows with **GitHub Actions CI/CD**, integrating plan/apply pipelines and remote state backends.
- Improved deployment speed and governance by enabling reusable modules and environment isolation across dev/staging/prod.
- Outcome:** Unified management of 3 cloud platforms with 70% faster deployments and zero manual provisioning errors.

EXPERIENCE

DevSecOps Trainee Engineer <i>National Telecommunication Institute (NTI)</i>	Jul 2025 – Oct 2025 <i>Smart Village, Egypt</i>
- Completed intensive hands-on DevSecOps training program covering AWS, Terraform, Docker, Jenkins, and Cloud Security. - Implemented CI/CD pipelines, IaC modules, and vulnerability scanning in AWS cloud environments. - Collaborated on real-world projects focused on observability, cloud compliance, and automation.	
Technical Blogger & Open Source Contributor <i>abdurahmanalpha.hashnode.dev</i>	Jan 2023 – Present <i>Remote</i>
- Author beginner-friendly tutorials on AWS, CI/CD, and Kubernetes, simplifying complex DevOps concepts. - Published hands-on guides on Terraform, GitHub Actions, and Docker, reaching 5K+ global readers. - Contribute to open-source repositories and DevOps communities, promoting best automation practices.	
IT Help Desk Technician <i>British International School</i>	Sep 2023 – Mar 2024 <i>Ismailia, Egypt</i>
- Maintained IT systems for 200+ users, achieving 95% network uptime and improving ticket resolution efficiency by 30%. - Automated device provisioning scripts and introduced standardized documentation for support operations.	

EDUCATION

Udacity, Cloud DevOps Engineer Nanodegree <i>Focus: AWS Infrastructure, CI/CD, Monitoring, CloudFormation, Docker, Terraform</i>	Online 2024
Graduation Project: "Udapeople: Cloud-Native CI/CD Pipeline with CircleCI, AWS, and Ansible."	
Suez Canal University <i>B.Sc. in Computer Science</i>	Ismailia, Egypt 2019 – 2023
- Graduation Project: "End-to-End CI/CD Automation and Cloud Deployment for Postgraduate Management System (.NET + SQL Server)." - Leadership: Head of Cybersecurity, GDSC SCU (2022), led 6-member tech team. - Awards: Huawei ICT Competition (Cloud Track), Silver Medalist (2022).	

CERTIFICATIONS

AWS Certified Solutions Architect, Associate (In Progress, Expected 2025)
Red Hat System Administration I (RH124), Red Hat Academy
Problem Solving (Intermediate) HackerRank
AWS Academy Graduate, Cloud Architecting (Amazon Web Services)