



# Abdulrahman Ahmad Muhammad

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## Summary

Cloud and **DevOps Engineer** experienced in automating CI/CD pipelines using **AWS, Terraform, Jenkins, and Kubernetes**. Delivered **Infrastructure-as-Code (IaC)** solutions that boosted deployment reliability by **80%** and reduced provisioning time by **60%**. **Leveraged** support background in Linux, Active Directory, and M365 to automate IT workflows using **Bash scripting**, cutting manual work by **30%**. Focused on **SRE, observability** (Prometheus, Grafana), and **DevSecOps**.

## Experience

### DevSecOps Intern

Jul 2025 – Oct 2025

National Telecommunication Institute (NTI)

Smart Village, Egypt

- Spearheaded cloud automation for **3+ high-availability apps**, ensuring **99.9% resource uptime**.
- Deployed a 3-tier app on **AWS** using **Terraform and EKS**, managing **15+ k8s resources**.
- Created **10+ modular IaC templates**, optimizing workflows and cutting provisioning time by **80%**.
- Integrated **Trivy and SonarQube** to scan **100% of code commits**, improving security visibility by **50%**.

### Freelance Cloud & DevOps Engineer

Jun 2023 – Present

Self-Employed

Remote

- Led migration and CI/CD automation for **5+ diverse client environments**, achieving **100% project delivery**.
- Orchestrated **AWS EKS, RDS, and VPC** via **Terraform**; reduced deployment time by **60%** for **5+ projects**.
- Built scalable **Multi-Cloud IaC** with **GitHub Actions**, cutting configuration errors by **70%** across **3 platforms**.
- Developed **DevSecOps** pipelines, reducing deployment cycles from **6h to 30m (91% faster)**.

### IT Support & Cloud Operations Technician

Sep 2023 – Mar 2024

British International School

Egypt

- Directed IT infrastructure for **2 sites**, resolving **95% of technical escalations** within SLA timelines.
- Automated IT workflows with **Bash**, reducing manual tasks for **200+ staff** and response time by **30%**.
- Managed **Active Directory/M365** for **500+ users**, ensuring secure provisioning and **100% access compliance**.
- Maintained **AWS EC2/S3** storage, preserving **99.9% availability** for mission-critical school resources.

### IT & Cloud Support Technician

Mar 2020 – Sep 2022

Tech Valley

Egypt

- Supervised IT operations for **3 high-traffic branches**, supporting **50+ terminal devices** daily.
- Stabilized retail IT infrastructure across **3 branches**, achieving **99.9% uptime**.
- Diagnosed **hardware/networking** issues, improving resolution speed by **40%** via standardized protocols.
- Authored **15+ SOPs** and documents, enhancing team collaboration efficiency by **20%**.

## Education

### Suez Canal University

Ismailia, Egypt

Bachelor of Science (B.Sc.), Computer Science

Jun 2023

- Graduation Project: Automated **CI/CD** and cloud deployment for a postgraduate system, improving release speed and reliability.
- Head of Cybersecurity, GDSC SCU: Led a 6-member team implementing security initiatives and technical innovation programs.

### Udacity

Remote

Cloud DevOps Engineer Nanodegree

Sep 2022

- Capstone Project: Built cloud-native **CI/CD pipeline** with CircleCI, AWS, and Ansible, reducing manual deployment time by **70%**.

## Skills

**Cloud & Infrastructure:** AWS, GCP, OpenStack, Linux (Bash/Python), Docker, Kubernetes (EKS), Helm, Terraform, CloudFormation.

**DevOps & Security:** CI/CD, Jenkins, GitHub Actions, GitOps, DevSecOps, Prometheus, Grafana, CloudWatch, IAM, Git.

**Languages & Support:** Arabic (Native), English (B2), German (A1); M365, Troubleshooting, Agile/SDLC.

## Achievements

**Silver Medalist (Cloud Track):** Huawei ICT Competition, recognized for excellence in scalable Cloud Architecture.

**Community Leadership:** Founded "MrAlphaHub"; published 65+ DevOps tutorials, reaching 5K+ readers and mentoring engineers.

**Operational Impact:** Delivered DevOps documentation at Tech Valley, improving deployment efficiency by 25%.

## Certifications

**Specialized:** DevSecOps Specialist, Git Advanced Automation, IT Cybersecurity Foundation, Solutions Architect.

**Professional Development:** Completed intensive **ITI DevOps program**, boosting delivery speed by 70%.