

# Abdulrahman Ahmad Muhamad

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DevOps / DevSecOps Engineer

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## Professional Summary

DevOps/DevSecOps Specialist with hands-on experience in cloud computing, CI/CD pipelines, infrastructure as code, and automation. Skilled in AWS, Terraform, Jenkins, GitHub Actions, Docker, and Kubernetes. Strong background in Linux systems, networking, and scripting with Bash/Python. Awarded Silver Medal in Huawei ICT Cloud Competition. Passionate about building secure, automated, and scalable systems while continuously learning and growing in the DevOps field.

## Technical Skills

- **Cloud & IaC:** AWS (EC2, S3, IAM, Lambda), Terraform, Kubernetes
- **CI/CD & Automation:** GitHub Actions, Jenkins, Docker, Ansible
- **Scripting & OS:** Bash, Python, Linux (Ubuntu, CentOS)
- **Security & Monitoring:** DevSecOps principles, basic vulnerability scanning, logging & monitoring
- **Version Control:** Git, GitHub
- **Databases:** MySQL, MongoDB (basics)

## Professional Experience

**British International School – Ismailia, Egypt**

**IT Help Desk Technician (Sep 2023 – Mar 2024)**

- Automated repetitive IT tasks using Bash, improving efficiency.
- Supported AWS services (EC2, S3) for internal systems, assisting in monitoring and troubleshooting.
- Applied access management and security best practices using Active Directory and cloud accounts.
- Gained practical experience in scripting, automation, and infrastructure support.

**Tech Valley – Ismailia, Egypt**

**IT Support Specialist (Mar 2020 – Sep 2022)**

- Introduced automation for daily support workflows, reducing downtime.
- Deployed cloud-based inventory management tool using AWS, improving tracking efficiency.
- Gained early exposure to cloud adoption and automation in small-scale enterprise environments.

## Projects

- **Cloud Infrastructure & High Availability** ([Repo Link](#))
  - Designed and deployed **scalable, fault-tolerant infra on AWS** using Terraform & CloudFormation, including **WordPress HA setup and Kubernetes clusters**.
  - Delivered **auto-scaling, load balancing, and container orchestration**, improving reliability and showcasing IaC best practices.
- **CI/CD & DevSecOps Pipelines** ([Repo Link](#))
  - Built **end-to-end CI/CD pipelines** with Jenkins, CircleCI, and Terraform, integrating **testing, security scans, monitoring (Prometheus)**, and automated rollbacks.
  - Automated deployments on **AWS & GCP**, reducing release times from hours to minutes while embedding **DevSecOps practices**.
- **Cloud Automation & Serverless Security** ([Repo Link](#))
  - Deployed **serverless applications** with AWS Lambda, API Gateway, DynamoDB, and Terraform, enabling cost-effective event-driven workflows.
  - Created a **one-click PowerShell DevSecOps setup** to automate developer environments with Git, Docker, Terraform, and security tools.

## Education

### Professional DevSecOps – NTI, Smart Village, Egypt (2025)

- Built pipelines with Jenkins & Docker, Kubernetes labs, Linux/Git challenges

### B.Sc. in Computer Science – Suez Canal University, Egypt (2019 – 2023)

- Focus: Networking, system design, algorithms, OS, and More
- 2nd place in university-wide research competition (2023)

### Advanced Cloud DevOps Nanodegree – Udacity (Remote, 2022)

- CI/CD pipelines, AWS deployments, AWS CloudFormation automation

## Certifications

- Docker Deep Dive - Pluralsight ([Certificate](#))
- Mastering Git - Pluralsight ([Certificate](#))
- Problem Solving (Intermediate) Certificate - HackerRank ([Certificate](#))
- Using Jenkins X for Cloud-native CI/CD - Pluralsight ([Certificate](#))
- Terraform Deep Dive - Pluralsight ([Certificate](#))
- Red Hat System Administration (RH124) – Red Hat ([Certificate](#))

## Awards & Volunteering

- Silver Medal – Huawei ICT Competition (Cloud Track, 2022)
- Head of Cybersecurity – GDSC SCU (2022)
  - Led a 6-member team, organized security workshops for 100+a students