

Abdelrahman Mokhtar Mohamed

Cloud Engineer | DevOps Engineer

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Education

Bachelor of Engineering in Computer Engineering

Expected Graduation: 2027

Shoubra Faculty of Engineering, Banha University

Relevant Coursework: Operating Systems, Computer Networks, Computer Architecture, Databases, System Analysis and Design

Certifications

- **Huawei HCCDA – Technical Essentials** 2025
- **AWS Certified Cloud Practitioner** 2025
- **AWS Certified Solutions Architect – Associate (SAA)** 2025
- **AWS Certified AI Practitioner** 2026
- **AWS Certified CloudOps Engineer - Associate** 2026

Trainings

- **Cloud Architect Training** NTI & ITIDA
- **Cloud Computing Training** NTI & Huawei
- **Infrastructure, Systems, Applications and Cybersecurity Fundamentals** MCIT
- **Linux Administration Training** NTI, Digital Egypt Youth Program

Technical Skills

- **DevOps & Automation:** Git, GitHub, GitHub Actions, Terraform, Bash scripting, CI/CD pipelines (GitHub Actions, Jenkins), Infrastructure as Code (IaC), containerization (Docker), container orchestration (Kubernetes), and deployment automation.
- **Cloud Computing:** AWS Cloud Practitioner, AWS Solutions Architect Associate (SAA), AWS CloudOps Associate, Huawei HCCDA (Technical Essentials), AWS Skill Builder (Hands-on labs & courses), Cloud Architecture, HA/FT Design
- **Linux (Red Hat I & II):** System administration, users/groups, permissions, systemd, firewall, networking
- **Networking:** CCNA-level, TCP/IP, Routing & Switching, VLANs, Subnetting
- **Storage & Virtualization:** RAID, File/Block/Object Storage, NAS/SAN concepts, and Compute Virtualization (KVM, VMware basics). Hands-on experience with Huawei virtualization environment (CNA, KVM).
- **Databases:** DBMS fundamentals, SQL Server, Database Design
- **Programming:** Python, Bash, C++, Java, Html, css, js, MIPS Assembly

Projects

Serverless Caf Orders Platform on AWS + Terraform

[GitHub] Serverless backend using AWS Lambda, API Gateway, DynamoDB; infrastructure managed with Terraform; S3 hosting for frontend; scalable and cost-efficient.

Scalable and Highly Available Environment on AWS + Terraform

[GitHub] Designed multi-AZ architecture with EC2 Auto Scaling, Load Balancers, RDS; ensured fault-tolerance, high availability, and monitoring with CloudWatch.

Three-Tier Docker Application

[GitHub] Multi-container Docker application with Web, App, and Database tiers; implemented container networking, volume management, and orchestration with Docker Compose.