

Rokaia Hazem DevOps / Cloud Engineer

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PROFILE

Electronics & Communication Engineering student and aspiring Cloud/DevOps Engineer with a strong foundation in Networking (CCNA certified from NTI). Currently honing skills in automation, containerization, and CI/CD through the DEPI initiative. Proven leadership and organizational skills as GDSC Founder and GDG Organizer.

EDUCATION

Electronics & Communication Engineering, Oct 2022 – Jul 2027 | New Assuit, Egypt
Sphinx University 

EXPERIENCE

Digital Egypt Pioneers Initiative , *DevOps Trainee* Nov 2025 – Present

- **CI/CD & Automation:** Git, Jenkins, and Ansible.
- **Containerization & Orchestration:** Docker (Basics & Advanced) and Kubernetes.
- **Infrastructure as Code (IaC):** Terraform and Cloud fundamentals.
- **Monitoring & Servers:** Prometheus and Web Server configurations.

O4 Academy , *Coding Instructor* May 2024 – Aug 2024

- Taught programming fundamentals (Python, HTML, CSS) to children aged 6–15 in a fun, engaging way.
- Developed simplified curriculums tailored for young learners.
- Fostered creativity and logical thinking through interactive activities.

National Telecommunication Institute (NTI), Minya , Jan 2025 – Feb 2025
CCNA Routing & Switching

- **Networking Foundations:** Gained hands-on experience in configuring routers and switches, VLANs, Inter-VLAN routing, and OSPF, with a focus on IPv4/IPv6 addressing and network security.
- **Infrastructure Security:** Learned essential concepts of Network Virtualization, ACLs, and VPNs to ensure secure and efficient data flow.
- **Professional Development:** Enhanced soft skills including leadership, critical thinking, and technical business writing to streamline team collaboration.

PROJECTS

Automated Cloud-Ready Backup System | Bash, Linux, Git 

- **Developed** a robust Bash script to automate daily data backups and local archiving using tar and gzip compression.
- **Implemented** an auto-cleanup logic that monitors storage and removes archives older than 7 days, optimizing disk space efficiency.
- **Integrated** error-handling mechanisms to validate backup integrity and notify the system

SysGuard: System Audit & User Management Tool | Linux Admin, Bash, Security 

- **Automated** user onboarding processes by creating a secure user-management module that validates administrative privileges (Root UID check).
- **Designed** a reporting system that triggers alerts when disk usage exceeds 80%, preventing potential system downtime.

SKILLS

Cloud & Infrastructure: Terraform, Cloud basics

Containerization & Orchestration: Docker, Kubernetes

OS & Scripting: Linux basics, Python, Bash

CI/CD & Automation: Jenkins, Ansible, Git

Networking: TCP/IP, Routing & Switching, VLANs, Firewalls

CERTIFICATES

CCNA:Routing and Switching - National Telecommunications Institute [📄](#)
Jan 2025

CCNA: Enterprise Networking, Security, and Automation - Cisco Networking Academy [📄](#)
April 2025

CCNA: Switching, Routing, and Wireless Essentials - Cisco Networking Academy [📄](#)
April 2025

ORGANISATIONS

GDG Assiut [📄](#), *Organizer*

2024 – Present | Assiut

- **Led a 100+ member team** to execute high-scale tech events, managing cross-functional workflows and volunteer performance.
- **Directly managed DevFest Assiut 2024 & 2025**, securing its position as Upper Egypt's largest tech conference with **2,500+ attendees**.
- **Spearheaded logistics and strategic partnerships**, coordinating with sponsors and speakers to deliver complex, multi-track technical sessions.

Google Developer Student Clubs Sphinx University [📄](#),
Founder & Former Lead

2023 – 2024 | Assiut

- Led a team of 30 members in establishing and managing the GDSC chapter.
- Successfully organized many events, including workshops, hackathons, and seminars, attracting participants.
- Actively engaged in hands-on coding, contributing to projects, and guiding members in technical skill development.

TEDx Assiut University [📄](#), *Marketing Specialist*

2024 – Present | Assiut

- Created and managed content strategies for social media.
- Promoted TEDx talks, increased visibility and engagement across platforms.
- Collaborated with multiple teams to ensure smooth event execution.