

Moustafa Hussien

System Engineer | DevOps Engineer
Linux & Cloud Administrator

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Summary:

System Engineer with hands-on experience in enterprise infrastructure administration, virtualization platforms, Linux systems, and cloud-based deployments. Currently working at the Supreme Council of Universities and Egyptian Universities Network managing Active Directory environments, HCI virtualization infrastructure, monitoring platforms, and enterprise security solutions.

Experienced in containerization, web hosting, Moodle LMS administration, and infrastructure monitoring using Zabbix. Passionate about DevOps practices including automation, CI/CD concepts, and scalable cloud infrastructure.

Experience:

Supreme Council of Universities (SCU) & Egyptian Universities Network (EUN) — Egypt **April 2024 – Present**

Responsibilities:

- Manage and administer Microsoft Active Directory environment including user accounts, Group Policy, DNS, and DHCP services.
- Support and maintain Hyper-Converged Infrastructure (HCI) virtualization platforms.
- Deploy and maintain virtual machines across enterprise infrastructure.
- Troubleshoot Linux server issues and provide system performance optimization.
- Administer Moodle LMS platform including deployment, maintenance, backups, and troubleshooting.
- Implement monitoring solutions using Zabbix Server for infrastructure availability and performance tracking.
- Manage endpoint security using Kaspersky Security Center.
- Deploy and maintain multiple production websites using Apache, Nginx, IIS, and PHP environments.
- Containerize applications using Docker and manage container images.
- Support reverse proxy configurations and web application hosting.
- Implement backup and disaster recovery strategies for servers and services.

Education:

- Information Technology Institute (ITI) July 2023
Ministry of Communication and Information Technology (MCIT).
Track: System Administration
- Faculty of Computer and Information Technology, Assiut University. 2018 – 2022
Awarded: Very Good
Graduation Project Grade: Excellent

Technical Skills:

- **System Administration**
 - Installing, configuring, and troubleshooting Red Hat Linux Servers (Red Hat Administration I, II).
 - Installing and configuring Microsoft Windows Servers.
 - Administrating web servers using Apache and Nginx.
 - Strong knowledge of Virtualization Technology.
 - Strong knowledge of VMware vSphere V.7x installation, configuration, and Management.
 - Familiar with Microsoft Windows Infrastructure (MCSA) – (Active Directory, Group Policy, DHCP, DNS).
 - Strong understanding of storage technologies in data center environments.
 - Task Automation using Bash shell Scripting, and Python.
- **Network Engineering:**
 - Network Design and Implementation (CCNA Routing and Switching).
 - Familiar with Network Security Fundamentals.
 - Configure and verify access control lists.
 - Configure Layer 2 security features (DHCP snooping, dynamic ARP inspection, and port security)
 - Configure and verify NTP operating in a client and server mode.

DevOps:

- Infrastructure provisioning using Terraform.
- Server configuration automation using Ansible playbooks.
- CI/CD pipeline automation using Jenkins.
- Containerization using Docker and orchestration using Kubernetes.
- Version control using Git and GitHub workflows.
- Cloud deployments on AWS environments.

Projects:

- Deploy (Voting-App) In [MS Azure] [view](#)
- Deploy Voting-APP IN Kubernetes [view](#)
- LINUX Admin Helper [view](#)
- MCSA Project [view](#)
- CCNA Challenge [view](#)