Mahmoud Ahmed Mohamed Abdallah

DevOps Engineer

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PROFILE

Passionate about DevOps culture, the cloud industry, and automation, enthusiastic about the opportunities that lie ahead and eager to apply my skills and knowledge to make meaningful contributions in this field.

EDUCATION

Bachelor's degree in Electronics and Communication Engineering,Alexandria University   **2017-2022**
Grade: Excellent with honors | GPA: 3.7

WORK EXPERIENCE

Network / System Engineer   **7/2024 - present**
Alexandria Business Association- SME Project

- Troubleshooting and fixing problems related to the Infrasturcture.
- Managing the Domain Controller and Active Directory services.
- Managing virtual machines in a VMware environment, including backup operations
- Administering and maintaining LAN/WAN networks and associated hardware/software

TRAINING

DEPI DevOps Track 6-Months Scholarship   **6/2025 - present**
Digital Egypt Pioneers Initiative, Alexandria Branch

- Gained hands-on experience in Linux system administration, including configuration, and troubleshooting.
- Trained in containerization using Docker and server automation with Ansible.
- Practical experience with Git and GitHub for version control and collaborative development
- Hands-on experience with Jenkins in implementing CI/CD pipelines to automate build, test, and deployment

National Telecommunication Institute NTI - (140 hours)   **9/2022**
- Gained solid knowledge of network protocols, OSI and TCP/IP models, and IP subnetting
- Studied the fundamentals of routing and switching, including VLANs and basic dynamic routing
- Understood key network security concepts and troubleshooting techniques
- Developed strong skills in IP addressing, network architecture design, and performance optimization

Egypt-Japan University E- (30 hours)   **9/2021**
- Wireless Protocols for IOT

PROJECTS

Automated Deployment of Node.js Application Using Ansible
Created an Ansible playbook to automate Node.js application deployment to remote VMs via SSH, including file transfer, environment setup, and background execution.
GitHub Repo: **https://github.com/MahmoudAh98/nodejs_app** 🔗

Graduation Project
Vehicle ad hoc Network(VANET) : Implemented a wireless networking technology among the vehicles to reduce the accidents.

TECHNICAL SKILLS

- very good knowledge of networking protocols, IP addressing, subnetting, routing, switching, and network troubleshooting.
- Experienced in VMware vSphere for deploying, managing, and optimizing virtual machine environments.
- Skilled in installing, configuring, and troubleshooting Linux administration tasks.
- good at managing Windows Server environments, including Active Directory, user management, and system configuration.
- good at Veeam Backup & Replication for creating, managing, and restoring virtual machine backups.
- Familiar with Python and bash Scripting for writing scripts and automating system administration tasks.
- skilled in server management and automation using Ansible
- Skilled in container deployment with Docker
- good knowlege at AWS Cloud Practitioner (Cloud concepts, IAM, S3, EC2, Networking basics)
- good knowledge in version control (GitHub, Git).
- good at implementing CI/CD pipelines using Jenkins

CERTIFICATION

Cisco Certified Network Associate(NTI) 🔗

Wireless communication for iot(Egypt-japan University) 🔗

LANGUAGES

- Arabic:Native
- English: B2