

**Mohamed Hesham Shawky Nasr**

**DevOps Engineer**

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**Military Service:** Completed

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## Summary

DevOps Engineer skilled in automation, continuous integration, and deployment. Proficient in enhancing workflows and streamlining processes.

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## Professional Experience

**SRE Engineer Intern Giza Systems Company** 9/24 - present

**Azure DevOps Engineer Intern Inovasys Company** 6/24

**Drive Test Engineer Orange Huawei Project** Telecomax Company 9/22 - 1/23

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## Education

**DevOps and Automation Track**, National Telecommunications Institute (NTI) 02/2024 – 06/2024

**Bachelor of Engineering - Electrical Communications and Electronics Engineering**, Ahram Canadian University (ACU)  
2016 - 2022

- Graduation Project: 5G Planning for El Sheikh Zayed City
  - GPA: 3.2/4 | Grade: Very Good
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## Courses and Certificates

- **DevOps Bootcamp** by TechWorld 12/2023 - 03/2024
  - **DevOps Beginners to Advanced** by Imran 09/2023 - 11/2023
  - **AWS DevOps** by Ahmed Metwally 07/2023 - 08/2023
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## Technical Skills

- **Operating Systems:** Linux (CentOS, Ubuntu)
- **Cloud Platforms:** AWS (ECS, EC2, RDS, S3, Elasticsearch, ELB, Route53)
- **Source Code Management:** Git , GitHub
- **Infrastructure as Code:** CloudFormation, Terraform
- **CI/CD Automation:** Jenkins, Bash, ArgoCD
- **Containerization and Orchestration:** Docker, Kubernetes , Helm
- **Security Tools:** Trivy, SonarQube Scanner
- **Agile methodologies:** Jenkins, Ansible, Bash

- **Project Management Tools:** Jira

## Projects

- **NTI DevOps Final Project:** Created EKS Cluster, RDS instance, EC2 for Jenkins snapshots, ELB access logs, and ECR using Terraform. Installed Jenkins and CloudWatch agent using Ansible. Developed Kubernetes manifests and network policies. Built multibranch pipeline in Jenkins for Docker images to Kubernetes pods.
  - **Microservices Online Shop Website Deployment on Amazon EKS:** Deployed microservices on Amazon EKS for a scalable and resilient architecture. Implemented health probes and optimized resource allocation for efficient utilization
  - **AWS CI/CD Project:** Created a CI/CD pipeline using various AWS services.
  - **Jenkins as Code (paac):** Automated Jenkins job creation and pipeline management.
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## Languages

- **German:** Good (B1)
  - **English:** Very Good
  - **Arabic:** Native
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## Competencies

High self-motivation, Quick learner, Creativity, Attention to detail, Teamwork, Time management, Personal initiative, Constructive thinking, Organization, Leadership, Structured way of working, Strong communication skills

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## Volunteering

**Class Representative and Events Designer, Elrsala Charity 2016**

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