

# Ziad Tarek Saeed

## DevOps Engineer

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in Ziyad Tarek

🌐 ziyad-tarek1

🏠 Alexandria, Egypt (Relocatable)

🛡 Military Service: Completed

### PROFILE SUMMARY

Critical thinking DevOps Engineer with extensive understanding of high availability architecture and concepts. Purpose-driven professional with capacity to be strong team player plus work effectively independently.

### WORK EXPERIENCE

#### IT technical desktide support

Alexandria, EG

##### Sutherland global services

Aug 2022–OCT 2024

- Troubleshoot technical issues and provided on-site technical support
- Provided technical support for end-users and resolved escalated technical issues
- Automated routine system administration tasks to reduce manual effort

#### Outsourced IT Technical Support Help Desk

Cairo, EG

##### EgyProTech Company (Outsourced to SEDTCO)

Sep 2022–Apr 2023

- Delivered dedicated IT support to SEDTCO's management, ensuring seamless operation of key systems.
- Resolved hardware, software, and network issues to minimize downtime and enhance productivity.

### INTERNSHIPS & TRAINING

#### Orange Business Company

Online

SDN and SD-WAN (Cisco Viptela) Technology

Feb 2022–Feb 2022

### EDUCATION

#### Faculty of Engineering, Alexandria University

Alexandria, EG

Bachelor's Degree in Electrical Engineering

Sep 2017–Jun 2022

- **Department:** Communications & Electronics.
- **Grade:** Good.

### CERTIFICATES

#### EX200 Red Hat Certified System Administrator (RHCSA)

- **Technologies Used:** Red Hat Enterprise Linux 9.
- **Validation:** Oct 8, 2024 to Oct 8, 2027.
- **Certification ID:** 240-202-713.

### TECHNICAL KNOWLEDGE

#### DevOps

- |            |             |             |
|------------|-------------|-------------|
| • Ansible. | Docker.     | Kubernetes. |
| • Jenkins. | AWS.        | Terraform.  |
| • ArgoCD.  | Prometheus. | Grafana.    |
| • Git.     | Agile.      |             |

#### System Administration

- |                           |                          |                   |
|---------------------------|--------------------------|-------------------|
| • Linux Administration I. | Linux Administration II. | Bash Scripting.   |
| • VMware and vSphere.     | Windows servers (MCSA).  | Apache and Nginx. |

#### Network & IT skills

- |                   |                     |                     |
|-------------------|---------------------|---------------------|
| • CCNA 200-301.   | CCNP Encore 350-401 | MPLS and BGP.       |
| • SDN and SD-WAN. | Network Security.   | Python for Network. |

## PROJECTS

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### Three Tier Application Deployment using AWS, Kubernetes, and Jenkins

- Overview: Containerized a three-tier app (React.js frontend, Node.js backend, MongoDB database) and deployed on Amazon EKS.
- Key Actions:
  - Automated CI/CD pipeline with Jenkins for building, testing, and deploying images.
  - Integrated AWS ECR for image storage, Kubernetes Ingress, and Load Balancer for traffic management.
  - Set up Slack notifications for deployment success.
- Technologies: Docker, AWS EKS, Jenkins, Helm, Slack

### YouTube Video & Playlist Downloader

*Flask-based web app*

- Built a web app allowing video downloads via pytube, with Flask for backend processing and Docker for deployment.
- Technologies: Flask, Docker, HTML, CSS

### Automated CI/CD Pipeline for Dinosaur Game Jenkins, Docker, Kubernetes

- Configured an automated Jenkins pipeline for a containerized game deployment.
- Integrated SonarQube for code quality, Trivy for security scans, and deployed to Kubernetes using ArgoCD.
- Technologies: Jenkins, SonarQube, Trivy, ArgoCD, Docker, Kubernetes

### MongoDB and Mongo-Express on Kubernetes

- Deployed MongoDB and Mongo-Express on Kubernetes with PV, PVC, Secrets, and ConfigMaps for persistence and configuration management.
- Integrated Prometheus and Grafana for monitoring via Helm.
- Technologies: Kubernetes, Prometheus, Grafana, Helm, Docker

### Networks Evolution (SDN & SD-WAN Technology) | | Graduation Project

- Studying specific networks evolution starting from cli, **scripting**, automation to software defined network (**SDN**) and software wide area network (**SDWAN**) technologies.
- SDN simulation using **Mininet** and controllers (**ODL, ONOS, HPE van**).
- Full SD-WAN simulation using **GNS3** and **EVE-ENG** for **Cisco Viptela solution**.

## EXTRACURRICULAR ACTIVITIES

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### Head of Academic Committee

#### Skills:

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|---------------|---------------------|---------------|
| - Leadership  | - Work Under Stress | -Team Work    |
| - Flexibility | - Fast Learning     | - Hard Worker |

**EED Society**  
*Sep 2019–Aug 2020*

### Head of Public Relations Committee

#### Skills:

- |                   |                       |               |
|-------------------|-----------------------|---------------|
| - Problem Solving | - Conflict Resolution | - Flexibility |
|-------------------|-----------------------|---------------|

**Safwa Engineering**  
*Sep 2019–Aug 2020*

## LANGUAGES

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**Arabic:** Native

**English:** Very Good