

# Ziyad Tarek Saeed *DevOps Engineer*

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📍 Cairo, Egypt (Relocatable)

🛡 Military Service: Completed

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📜 <https://www.credly.com/users/ziad-tarek.180>

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## Profile

Junior DevOps Engineer, graduated from the Information Technology Institute (ITI) (9-month diploma) in System Administration Track. Certified in RHCSA®, CKA®, AWS®, Terraform®, and GitHub Foundations, with over a year of experience in IT support and system administration at Sutherland and EgyProTech. Experienced with Linux administration, Bash scripting, Ansible automation, Docker, Kubernetes, Terraform, and CI/CD tools like Jenkins and ArgoCD. Strong background in cloud infrastructure, container orchestration, and automating deployment pipelines. Seeking a role to apply my expertise in DevOps practices, cloud computing, and infrastructure as code.

## Education

### Information Technology Institute (ITI-MCIT)

10/2024 – 07/2025 | Alexandria, Egypt

- ITI System Administration - 9 months track.

### Faculty of Engineering, Alexandria University

2017 – 2022 | Alexandria, Egypt

Bachelor's Degree in Electrical Engineering

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

## Work Experience

### SRE/DevOps Engineer at Rabbit Mart

04/2025 – Present | Cairo, Egypt

- Implemented CI/CD workflows using GitHub Actions, Docker, Kubernetes, Helm, and Terraform for automated deployments
- Optimized Kubernetes autoscaling with Karpenter, improving resource utilization by 40% and reducing costs
- Created custom Helm charts for Redis, MySQL, PostgreSQL, Nexus, and MobSF infrastructure components
- Led cost optimization initiatives achieving 35% infrastructure cost reduction using Kubecost, HPA, and VPA
- Migrated AWS resources to Terraform-managed infrastructure for improved consistency and disaster recovery
- Reduced CI/CD costs by 60% through migration to GitHub Actions self-hosted runners
- Deployed EFK stack (Elasticsearch, Fluentd, Kibana) for centralized logging and monitoring
- Integrated DataDog for observability, dashboards, alerts, and APM monitoring
- Migrated WAF logs to Elasticsearch and Kibana for centralized security monitoring
- Deployed HashiCorp Vault for secure secret management with automated rotation
- Created disaster recovery plan for EKS clusters using Velero backup and restore procedures
- Administered RDS databases including user management, schema creation, and replication setup
- Implemented automated backup strategies and cross-region replication for database systems

### System administrator at Sutherland global services

06/2024 – 09/2024 | Alexandria, Egypt

- Troubleshoot technical issues and provided on-site IT support to ensure smooth operations.
- Delivered technical support for end-users, resolving escalated hardware, software, and network issues.
- Automated routine system administration tasks to reduce manual efforts and improve efficiency.
- Resolved hardware, software, and network issues to minimize downtime and enhance productivity.
- Collaborated with the company's global IT teams to optimize production environments and ensure system stability.
- Managed and contributed to monthly IT audit reports, ensuring compliance with security policies, tools, and company standards.
- Documented new tools and troubleshooting solutions to improve knowledge sharing and streamline workflows.
- Logged and tracked technical incidents, ensuring efficient issue resolution and minimizing recurring problems.

### Intern System administrator

08/2022 – 04/2023 | Alexandria, Egypt

Sutherland global services

### System administrator (part time)

09/2022 – 04/2023 | Cairo, Egypt

EgyProTech Company

- 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.

## Professional Training

**Information Technology Institute (ITI-MCIT)**  
6- Months online programs (MaharaTech-pluralsight)

04/2022 – 10/2022

### Certificates

#### Certified Kubernetes Administrator (CKA) [🔗](#)

- Issued: December 6, 2024
- Valid Until: December 6, 2026
- Certification ID: LF-lgy2a8yetr.

#### Kubernetes and Cloud Native Security Associate (KCSA) [🔗](#)

- Issued: December 05, 2025
- Valid Untill: December 06, 2027
- Certification ID: LF-xnhuto8d7a

#### Red Hat Certified System Administrator (RHCSA) [🔗](#)

- Issued: October 8, 2024
- Valid Until: October 8, 2027
- Certification ID: 240-202-713

#### Certified Kubernetes Application Developer (CKAD) [🔗](#)

- Issued: December 05, 2025
- Valid Untill: December 06, 2027
- Certification ID: LF-9zy0aetfs6

#### HashiCorp Certified: Terraform Associate (003) [🔗](#)

- Issued: February 10, 2025
- Valid Untill : February 10, 2027

#### Huawei Certified Cloud Developer Associate (HCCDA)

- Issued: January 23, 2025
- Vaild Untill: January 23, 2028

#### Kubernetes and Cloud Native Associate (KCNA) [🔗](#)

- Issued: January 25, 2025
- Valid Untill: January 25, 2027
- Certification ID: LF-1a9lfcxpv

#### AWS Certified Cloud Practitioner (CLF C02) [🔗](#)

- Issued: December 18, 2024
- Valid Until: December 18, 2027

#### GitHub Foundations [🔗](#)

- Issued: October 14, 2024
- Valid Until: October 14, 2027

### Technical Skills

#### DevOps

- |              |              |             |
|--------------|--------------|-------------|
| • Kubernetes | • OpenShift  | • Docker    |
| • AWS        | • GCP        | • Terraform |
| • Jenkins    | • Ansible    | • ArgoCD    |
| • GitLab     | • Prometheus | • Grafana   |
| • Git        | • Agile      |             |

#### Network & IT skills

- |                |                  |
|----------------|------------------|
| • CCNA 200-301 | • SDN and SD-WAN |
|----------------|------------------|

#### System Administration

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

#### Database Administration

- Oracle Database Administration (Workshop I, II)
- Backing Up And Restoring Using RMAN.
- Comfortable With SQL & PLSQL.

### Soft Skills

- |                       |                     |                 |                   |
|-----------------------|---------------------|-----------------|-------------------|
| • Leadership          | • Work Under Stress | • Team Work     | • Hard Worker     |
| • Self confidence     | • Flexibility       | • Fast learning | • Problem Solving |
| • Conflict Resolution |                     |                 |                   |

### Projects

#### 1- Automated AWS EKS Deployment with GitOps & CI/CD [🔗](#) 03/2025

- Built an automated AWS EKS infrastructure with Terraform, GitHub Actions, and ArgoCD, integrating GitOps, self-hosted runners, and a monitoring stack (Prometheus & Grafana).
- Technologies: AWS EKS, Terraform, GitHub Actions, ArgoCD, Prometheus, Grafana.

#### 2- CanaryCloud: Advanced Monitoring and Canary Deployments on AWS EKS with ELK & Prometheus [🔗](#) 02/2025

- Designed and deployed a scalable Python-based Todo application on AWS EKS, utilizing advanced monitoring tools like Prometheus, Grafana, and the ELK stack for comprehensive observability.
- Implemented a canary deployment strategy with Flagger for seamless, risk-free rollouts and automated CI/CD pipelines using CircleCI and ArgoCD.
- Built modular infrastructure with Terraform, integrated AWS Secrets Manager for secure environment management, and demonstrated expertise in cloud-native technologies and DevOps practices.

#### 3- End-to-End Kubernetes Three-Tier DevSecOps Pipeline [🔗](#) 01/2025

- Built an automated DevSecOps pipeline using GitHub Actions and Terraform to provision AWS infrastructure, including an EKS cluster, bastion host, and Kubernetes add-ons like Prometheus, Grafana, and ArgoCD.
- Deployed a three-tier application with blue-green deployment for seamless updates, managed by Argo Rollouts and Kubernetes manifests.
- Integrated tools like Jenkins, Trivy, and SonarQube for CI/CD, image scanning, and code quality, ensuring security and scalability.