

# Ziyad Tarek Saeed *DevOps Engineer*

 ziyadtarek180@gmail.com

 <https://www.linkedin.com/in/ziyad-tarek180/>

 +201120364754

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

 Cairo, Egypt (Relocatable)

 <https://github.com/ziyad-tarek1>

 Military Service: Completed

## Profile

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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

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### 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

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### 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 Until: 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 Until: December 06, 2027
- Certification ID: LF-9zy0aetfs6

### HashiCorp Certified: Terraform Associate (003)

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

### Huawei Certified Cloud Developer Associate (HCCDA)

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

### Kubernetes and Cloud Native

#### Associate (KCNA)

- Issued: January 25, 2025
- Valid Until: January 25, 2027
- Certification ID: LF-1a9lfcxpvc

### 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
- AWS
- Jenkins
- GitLab
- Git
- OpenShift
- GCP
- Ansible
- Prometheus
- Agile

- Docker
- Terraform
- ArgoCD
- Grafana

### System Administration

- Linux Administration (I - II)
- VMware and vSphere
- Apache and Nginx

- Bash Scripting
- Windows servers
- Python Scripting

### Network & IT skills

- CCNA 200-301
- SDN and SD-WAN

### Database Administration

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

## Soft Skills

- Leadership
- Self confidence
- Conflict Resolution

- Work Under Stress
- Flexibility

- Team Work
- Fast learning

- Hard Worker
- Problem Solving

## 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.