


# Mikhael El Kess Youhanna Sarkies

## SRE/DevOps Engineer

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 LinkedIn

 Github

 Shobra, Egypt

### Summary

Dynamic and enthusiastic SRE/DevOps Engineer with over 1 year of experience in DevOps practices, cloud infrastructure automation, networking, virtualization, containerization, and CI/CD pipelines. Proficient in Linux system administration, Kubernetes, Terraform, Ansible, and GitHub Actions to streamline workflows and enhance system reliability, as well as monitoring and observability solutions. Committed to continuous learning, strong communication, effective team collaboration, and solving complex technical challenges. Eager to apply technical skills and innovative thinking to drive operational excellence in a modern and dynamic tech environment.

### Experience

<b>Giza Systems</b>	Cairo
Site Reliability Engineer	09/2024 – Present
<u>Tasks</u>	
<ul style="list-style-type: none"><li>Assist in building and maintaining CI/CD pipelines using Jenkins and GitHub Actions to automate software deployment, testing, and delivery processes, resulting in 30% faster releases.</li><li>Deploy containerized applications on Kubernetes clusters in cloud environments, ensuring high availability and scalability.</li><li>Automate infrastructure provisioning and configuration using Terraform and Ansible, managing cloud resources, Kubernetes cluster setup, networking, and system dependencies across multiple environments.</li><li>Deploy, develop, and manage message brokers such as MQTT, Kafka, and Mosquitto on multi-master Kubernetes clusters across staging and production environments.</li><li>Implement backup strategies for the Kubernetes cluster and critical components, such as Elasticsearch and message brokers running on the cluster to ensure data integrity and facilitate disaster recovery without downtime.</li><li>Design and implement observability solutions using Prometheus, Grafana, Fluent Bit, and Loki, ensuring performance, system uptime, and reliability, while streamlining pod logs for the development team to enable 30% faster issue resolution.</li><li>Support the implementation of log aggregation and distributed tracing using the ELK stack, leading to a 15% improvement in debugging efficiency and system observability.</li><li>Develop Python and Bash scripts for automation, regular maintenance tasks, backups, and system monitoring to reduce manual effort by 50%.</li><li>Gain a deep insight into OpenShift by understanding container orchestration and application deployment workflows.</li></ul>	
<b>Link Datacenter</b>	Cairo
Datacenter Operations Engineer	07/2024 – 09/2024
<u>Tasks</u>	
<ul style="list-style-type: none"><li>Maintained and monitored servers, backups, system logs, and Infrastructure Support.</li><li>Continuously analyzed the performance and health of systems, networks, VMs, or applications, troubleshoot production issues on Azure, and ensured reliability and security using Orion, WhatsUp Gold, Cacti, and Grafana.</li><li>Managed backup storage infrastructure and executed backup plans using Veeam Backup and Replication, and Veritas Backup Exec.</li><li>Resolved user problems related to login, email, network, and hardware/software.</li></ul>	
<b>Kobry El Kobba Medical Complex (Military service)</b>	Cairo
System Administrator	06/2023 – 06/2024
<u>Tasks</u>	
<ul style="list-style-type: none"><li>Installed and maintained all server hardware and software systems.</li><li>Ensured server performance and availability.</li><li>Administreted Windows Server 2012 environment.</li><li>Managed Virtual machines (VMware, ESXi).</li><li>Troubleshoot incidents, identified root causes, documented problems, and established preventive measures.</li></ul>	

## Education

### Bachelor's degree in computer science

Faculty of Computers and Artificial Intelligence – **Cairo University**

2018 – 2022

- **CaptionBot! → Graduation Project** with grade: A+ – [Github Link](#)

## Skills

### Windows Server Administration

- Windows Server 2012 and 2016
- Active Directory and Group Policy
- PowerShell Scripting

### Containers and Orchestration

- Docker
- Kubernetes
- Helm

### Cloud Platforms and Services

- Amazon Web Services (AWS)
- Google Cloud Platform (GCP)
- Microsoft Azure

### Databases Management (Basics)

- SQL
- MSSQL
- MySQL
- PostgreSQL

### Web Servers and Proxy Technologies

- Nginx
- APACHE HTTP Server
- HAProxy

### Project and Agile Methodologies

### Linux System Administration

- Ubuntu
- RHEL and CentOS
- Bash and Shell Scripting

### Scripting Languages

- Python
- Bash
- YAML

### CI/CD Pipelines

- Jenkins
- GitHub Actions
- CircleCI

### Network Protocols

- DHCP and DNS
- TCP/IP
- HTTP/HTTPS
- QoS

### Messaging and Streaming Technologies

- Apache Kafka
- ActiveMQ (MQTT)
- Eclipse Mosquitto

### Problem Solving

### Virtualization Technologies

- VMware ESXi
- Hyper-V
- KVM

### Version Control

- Git
- GitHub
- Gitea

### Infrastructure as Code (IaC)

- Terraform
- CloudFormation
- Ansible

### Monitoring Tools

- Prometheus
- Grafana
- Alertmanager
- Loki

### Log Management Tools

- ELK Stack (Elasticsearch, Logstash, Kibana)
- EFK Stack (Fluent Bit, Fluentd)

### Algorithms Analysis

## Projects

- Inventory System with POS – [Github Link](#)
- Go-Football mobile App – [Github Link](#)
- Books Library Website App – [Github Link](#)

## Certifications

- **Google Cloud Certified – Professional Cloud Architect** – Issued by Google Cloud – [Verify Credential](#)
- **AWS Solution Architect** – in Progress

06/2025

## Courses

- EFK Stack: Enterprise-Grade Logging and Monitoring – [Certificate Link](#) – KodeKloud
- Certified Kubernetes Administrator Course – [Certificate Link](#) – KodeKloud.
- Red Hat Certified System Administrator (RHCSA) – [Certificate Link](#) - KodeKloud

## Languages

- **Arabic:** Native
- **English:** Excellent in writing and reading; Good in Speaking