

# ABDEL-RHMAN KHAMIS

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## SUMMARY

DevOps enthusiast with over 3 years in software development and system operations. Former System Administrator for 2.5 years. Adept at Git, Docker, Kubernetes, and various cloud platforms (AWS, Azure, Oracle Cloud). Skilled in CI/CD pipelines and Linux system security. Passionate about solving complex issues and working collaboratively.

## EXPERIENCE

### Meem Development

Alexandria, Egypt

#### DevOps Engineer

Nov 2023 - Present

- Implemented CI/CD pipelines using GitHub, Jenkins, and Azure DevOps.
- Engineered scalable ERP systems on AWS and Oracle Cloud, integrating DevSecOps and GitOps.
- Collaborated with high-profile clients, including the Saudi Government, resulting in a 30% increase in system efficiency.

#### Projects:

- **Dubai Future Foundation - One Million Prompts:** Used DevSecOps and GitOps with Kubernetes for secure and automated deployments. Applied blue-green deployment for smooth updates and auto-scaling for better performance. Managed infrastructure with Terraform to speed up disaster recovery (DR) and improve security, monitoring, and reliability.
- **Mshfa - SaaS Healthcare Platform:** Integrated DevSecOps and GitOps with Kubernetes to automate and secure deployments. Improved system reliability, security, and monitoring, ensuring a stable and efficient healthcare platform.
- **General Entertainment Authority - Saudi Esports Federation Academy:** Implemented DevSecOps and GitOps with Kubernetes for secure and automated deployments. Used blue-green deployment for zero-downtime releases and auto-scaling to handle traffic changes. Improved security, monitoring, and system reliability for esports operations.
- **Terraform-Azure-PrivateInfra:** Provisioned a production-ready Azure infrastructure with Terraform and private networking.

### Andalusia Healthcare Business Solutions

Alexandria, Egypt

#### DevOps Engineer

Oct 2022 - Nov 2023

- Managed TFS Server for CI/CD, including blue-green and canary deployments.
- Developed a horizontally scalable ERP system on AWS for a monolithic architecture, reducing deployment time by 25%.
- Supported multiple Scrum teams and Agile processes across various products, improving team productivity by 20%.

#### Projects:

- **KubernetesOnPremise:** Automated Kubernetes cluster setup with Flannel, Dashboard, MetalLB, and Metrics Server.
- **RunSqlScriptProgram:** Developed a .NET MVC 6.0 app for managing MSSQL connection strings and executing MSSQL scripts on selected database instances, enhancing database management efficiency.

### Code Zone

Alexandria, Egypt

#### DevOps Engineer

Sep 2021 - Sep 2022

- Administered Azure DevOps Server for CI/CD, executing blue-green and canary deployments.
- Deployed Docker and Kubernetes on DigitalOcean, automated tasks with Bash and PowerShell scripts, reducing manual errors by 40%.
- Handled AWS Lambda functions, SQL databases, and Windows services for the Egyptian Invoice project using .NET Core 6.0, improving system performance by 15%.

#### Projects:

- **TerraformCreateEC2Instance:** Created a Terraform project to automate EC2 instance creation and configuration, streamlining AWS infrastructure deployment and reducing setup time by 50%.
- **LambdaFunctionNotifiedSNSSubscription:** Developed an AWS Lambda function to monitor CloudWatch logs of another Lambda function and trigger SNS notifications upon activity, enhancing monitoring and alerting capabilities.

### System Administrator

Jul 2019 - Sep 2021

- Optimized network, VoIP, and mail servers, improving reliability and communication.
- Deployed and maintained ERP, infrastructure, and security systems, enhancing efficiency.

## SKILLS

**DevOps Tools:** Git, Jenkins, Azure DevOps, GitHub, Octopus Deploy, Helm, ArgoCD.

**Containers and Orchestration:** Docker (Compose, Swarm), Kubernetes.

**Scripting Languages:** PowerShell, Bash.

**Monitoring and Logging:** ELK Stack, Zabbix, Prometheus, Loki, Grafana, DataDog.

**Message Broker:** RabbitMQ.

**Database Administration:** MSSQL, PostgreSQL, MySQL, MariaDB, MongoDB.

**Cloud Providers:** AWS, Azure, GCP, DigitalOcean, Oracle Cloud, Zain Cloud.