

OMAR NABIL

DEVOPS ENGINEER

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Objective

Seeking a DevOps role where my technical skills in automation, cloud computing, and containerization can be utilized while continuing to learn and grow.

Technical Skills

Red Hat System Admin I & II	Docker	GitLab CI
AWS	Kubernetes	Nexus
Jenkins	Terraform	Ansible
Helm	ArgoCD	Nginx
Prometheus	MySQL Administration	Istio

Selected Projects

Deploying Nodejs Webapp on EKS cluster:

- Dockerize a nodejs web app and push it to private docker registry hosted on nexus running behind nginx reverse proxy with TLS configured
- Provisioning EKS cluster using Terraform with Istio gateway to be the entrypoint of our cluster
- Configured a Jenkins pipeline alongside with argocd to achieve CI/CD for our application deployment
- Enforced MTLS by default with Istio and Defined alert rules to fire and send notification to slack channel
- Tools : Docker, Terraform, Ansible, Istio, Jenkins, Argocd, Nexus, Kubernetes, AWS, Prometheus and Nginx

AWS Cloud Resume Challenge:

- Setting an automated pipeline using Gitlab CI for hosting my resume on AWS
- The resume files are stored in S3 bucket can be accessed through Cloudfront which is a CDN service that can serve the cached content at a high speed
- Created a visitors counter that can be updated using Lambda function and Dynamodb
- Tools : Terraform, S3, Cloudfront, Dynamodb, Lambda function, Route53 and Gitlab CI

Recipe App API:

- Setting up an automated deployment for a Django app and nginx proxy on ECS
- After authorization users can upload images that will be stored in S3 and can be accessed publicly
- Tools : Terraform, ECS, Docker, GitLab CI, Nginx, RDS and S3

Education

Faculty of Engineering, Alexandria University

B.Sc. Electrical Engineering (Communications & Electronics)

09/2016 - 06/2021