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# Omar Aboelmagd

DevOps Engineer

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## WORK EXPERIENCE

### Aldi International Service SE & Co. oHG

IT Stores DevOps Engineer - IT Professional

JAN 2023 — PRESENT

Mülheim an der Ruhr, Germany

- Developed and managed CI/CD pipelines for 40+ projects, automating build and deployment processes on-scale, which significantly improved efficiency and reduced errors.
- Managed the infrastructure setup for two GitLab Runners, optimizing them to operate on an on-demand basis. This significantly reduced infrastructure costs while still maintaining high availability.
- Implemented DocOps Pipelines for several projects that enforced updated documentation, as intended, on GitLab Pages.
- Designed Grafana dashboards for real-time monitoring of GitLab CI/CD Pipelines performance and health, enabling proactive management and quick decision-making.
- Organized educational sessions on CI/CD, empowering other teams to create CI/CD Pipelines for their products.

### Raseedi, a Fin-Tech Startup

DevOps Engineer

FEB 2022 — JAN 2023

Cairo, Egypt

- Ensured availability of the company's event-driven products on AWS, as well as assessing emergencies, providing analysis and recommending solutions.
- Migrated existing infrastructure on AWS into Terraform code in a highly-available and scalable manner along with its documentation into a more secured networking setup.
- Automated the process of creating AWS AMIs using Packer and Ansible.
- Enhanced portability and reduced development overhead by containerizing back-end monolithic applications and micro-services and isolating dependencies using Docker.
- Ensured adequate observability measured by shortened mean time to resolution (MTTR) to incidents by deploying Prometheus|Grafana|AlertManager and Elasticsearch|Logstash|Kibana stack to monitor live infrastructure.
- Reduced the AWS monthly bill by creating a detailed report using InfraCost and integrating it into a IaC CI/CD Pipeline and moving Jenkins pipelines to be executed in Spot Instances.

### Sprints

DevOps Engineer Intern

AUG 2021 — OCT 2021

Cairo, Egypt

- Set a unified Git Workflow for the development process that was then used in a multi-branch CI/CD Jenkins pipeline.
- Implemented CI/CD pipelines using Jenkins to automate the building process and the deployment of a multi-container MEAN-stack web application and a [Django web application](#) across different development environments..

## SKILLS

### Cloud Platforms

AWS, DigitalOcean.

### Tools and Languages

Docker, Kubernetes, Helm, Microservices with Kafka,  
Git, Linux, Bash Scripting, Python, GoLang, SQL.

### CI/CD Tools

Gitlab CI, Jenkins, CircleCI.

### Infrastructure As Code

Terraform, CloudFormation, Packer.

### Configuration Management

Ansible.

### Monitoring Tools

NewRelic, Prometheus, Grafana, Alertmanager, Elasticsearch, Logstash, Kibana, Datadog.

### Keywords

AWS EC2, Load Balancer, RDS, EKS, ECS, VPC, Nginx, Reverse Proxy, Firewall,  
Kubernetes, Synthetic Monitoring, Immutable Infrastructure, DocOps, JIRA.

## PROJECTS

### Serverless Telegram Alert Bot | <https://github.com/neatphar/telegram-monitor-bot>

FEB 2022

- Developed and deployed a serverless alerting bot that checks the status of other services and notifies subscribers.

### IEEE ManSB Website | <https://www.ieeemansb.org>

MAR 2020 — OCT 2020

- Supervised a team of 3 members following agile methodology.
- Developed back-end MVT code using Python (Django).
- Set up a mail server that was used by at least 100 volunteers for e-mail communication.

## EDUCATION

### Mansoura University

BSc. in Mechatronics Engineering with Honours | GPA: 3.9/4.0

OCT 2017 — FEB 2022

Mansoura, Egypt

## CERTIFICATIONS

### AZ-900: Microsoft Azure Fundamentals | <https://learn.microsoft.com/en-us/users/.../da4104f72ba49ee4>

AUG 2023

### Professional Scrum Developer (PSD) | <https://www.scrum.org/certificates/960717>

MAY 2023