

# Ahmed Atiia

DevOps Engineer/SRE

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## Experience

### DevOps Engineer *ISFP*

Sep 2024 - Present

- Designed and provisioned Kubernetes clusters from scratch using Microk8s to optimize container orchestration. Created a monitoring Stack to provision infrastructure all the time ensuring high availability.
- Engineered a fully automated GitOps workflow using Jenkins, integrated Trivy for vulnerability scanning and SonarQube for static code analysis. Automated Docker image builds and ArgoCD-driven deployments reduced release cycles while ensuring zero downtime delivery.
- Collaborated with the development team to enhance application reliability and stability by turning it into Microservices and deploying it to more than 15+ mission-critical project making it more efficient and faster.
- Streamlined CI/CD pipelines achieving increase in deployment frequency while reducing manual intervention, Resulted in a significant reduction of deployment errors by 80%.
- Managed production servers across multiple sites in Egypt, ensuring near-perfect uptime through proactive maintenance and timely application of critical patches within minutes of release.

### DevOps Engineer *Freelancer*

Dec 2024 - Present

- Worked on a diverse array of projects, from building microservices architectures to optimizing cloud infrastructure, leveraging tools like Kubernetes, Docker, Jenkins, Terraform, AWS, and monitoring solutions such as Prometheus and Grafana to deliver customized, high-quality results for each client.

### DevOps Intern *Espace*

Aug 2022 - Oct 2022

- Dockerized full-stack web applications built with Ruby and React, Served with Nginx reverse proxy and Implemented a CI/CD pipeline using Jenkins to automate testing and deployment processes.
- Worked closely with the development team on a large-scale project, utilizing tools like Kubernetes, Docker, Git, Ansible, Jenkins, Terraform, and Bash ensuring efficient deployment in real-world scenarios.

## Certifications

### Certified Kubernetes Administrator

Jan 2025

## Technical Skills

**Containers and Orchestration:** Kubernetes, Helm, Docker.

**CI/CD :** Jenkins, GitHub Actions, ArgoCD.

**Cloud and Infrastructure:** Terraform, AWS, Ansible.

**Monitoring Stack:** Prometheus, Grafana, Loki.

**DevSecOps:** SonarQube, Trivy.

**Scripting Languages:** Python, Bash.

**Web Frameworks:** Django, Flask, HTML, CSS.

**Others:** Git, SVN, Linux System Administration (1 & 2), CCNA.

## Education

**University of Alexandria** Bachelor of Engineering in Communication and Electronics.

July 2017 – June 2022

- GPA: 3.4

## Projects

### Connection Test App

GitHub: [CI-repo](#) [CD-repo](#)

- Orchestrated the deployment of back-end and front-end applications on Kubernetes, achieved a reduction in deployment time and enhanced system stability and productivity through a comprehensive CI/CD pipeline and proactive monitoring tools.
- Tools used: Kubernetes, Django, Jenkins, ArgoCD, Prometheus, Grafana, Ngrok.

### EKS Cluster Autoscaler

GitHub: [EKS-Cluster-Autoscaler](#)

- Designed and deployed an Amazon EKS cluster with integrated autoscaling features; optimized resource allocation during peak loads, Leading to reduction in response time and significantly enhancing user experience.