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, optimizing container orchestration and improving deployment scalability.
- Built a monitoring stack (Prometheus, Grafana, Loki) to ensure continuous infrastructure visibility, achieving near-100% uptime.
- Engineered a fully automated GitOps workflow with Jenkins, integrating Trivy for vulnerability scanning and SonarQube for static code analysis; automated Docker builds and ArgoCD deployments reduced release cycles and enabled zero-downtime delivery.
- Designed and integrated a CSI storage solution using Longhorn and MinIO within Kubernetes clusters, enabling persistent and resilient storage for stateful applications.
- Implemented GitLab Operator to automate deployments and streamline CI/CD workflows, accelerating release cycles and minimizing manual intervention.
- Partnered with development teams to refactor monolithic applications into microservices, deploying across 15+ mission-critical projects, increasing system reliability and scalability.
- Streamlined CI/CD pipelines to increase deployment frequency, cutting manual steps and reducing deployment errors by 80%.

DevOps Engineer *Freelancer*   *Dec 2024 - June 2025*

- Delivered tailored DevOps solutions for diverse clients, from designing microservices architectures to optimizing AWS infrastructure, improving system reliability and scalability.
- Leveraged Kubernetes, Docker, Jenkins, Terraform, and monitoring tools (Prometheus, Grafana) to deliver high-quality, automated deployment environments that reduced operational costs and accelerated delivery

DevOps Intern *Espace*   *Aug 2022 - Oct 2022*

- Dockerized Ruby-on-Rails and React applications, deployed via Nginx reverse proxy, and implemented Jenkins CI/CD pipelines to automate testing and deployment.
- Contributed to a large-scale project by deploying and automating environments with Kubernetes, Ansible, Jenkins, and Terraform, ensuring efficient and reliable deployments in real-world production scenarios.

Certifications

Certified Kubernetes Administrator ↗
Jan 2025

Technical Skills

Containers and Orchestration: Kubernetes, Helm, Docker
CI/CD and GitOps: Jenkins, GitHub Actions, ArgoCD, GitLab Operator
Cloud and Infrastructure: AWS, Terraform, Ansible
Monitoring and Observability: Prometheus, Grafana, Loki, OpenTelemetry
DevSecOps: SonarQube, Trivy
Storage and Networking: Longhorn, MinIO, MetalLB
Programming and Scripting: Golang, Python, Bash
Web Frameworks: Django, Flask
Others: Nexus Repository, Harbor, Keycloak, Git, Linux System Administration (L1 & L2), CCNA

Education

University of Alexandria *Bachelor of Engineering in Communication and Electronics.*   *July 2017 – June 2022*

- GPA: 3.4