

Ibrahim Kabbash

DevOps Engineer

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WORK EXPERIENCE

eSpace

Feb 2025 - Present

Mid-Level DevOps Engineer

- Managed and deployed a distributed containerized system (20+ services) for a UK-based AI startup using Docker Compose, ensuring reliable communication and operations between Java (Spring Boot) backend, FastAPI (vLLM, LangChain, Ollama), Elasticsearch, PostgreSQL, Kafka, and Kafka Connect with custom connector plugins.
- Managed and optimized multiple Ollama model deployments; implemented Nginx load balancing to ensure high availability for concurrent requests.
- Integrated SIEM tools (e.g., Azure Sentinel) with Fluentd as the log shipper to stream logs into Kafka, building a unified data pipeline for centralized security event processing and incident detection across the platform.

eSpace

Feb 2023 - Jan 2025

DevOps Engineer

- Managed and operated a .NET microservices application across multiple environments, deploying on both on-premise infrastructure and Azure Kubernetes Service (AKS), handling cluster provisioning, automation, and maintenance.
- Refactored and optimized the Helm chart for a .NET microservices app, adding new features and configurations to support faster and more consistent environment creation for new clients.
- Configured Microsoft SQL Server Always On Availability Groups across two servers, enabling high availability and automatic failover for minimal downtime and improved reliability.
- Collaborated with dev teams on multiple Ruby on Rails projects via Jira, enhancing system stability, troubleshooting issues, adding configurations, and executing rolling deployments to production for zero-downtime releases.
- Optimized Azure VMs running Kubernetes by auditing resource usage, scaling down over-provisioned instances, and tuning workload CPU/memory limits to reduce costs.
- Containerized a legacy Ruby on Rails app and migrated it to Kubernetes using GitOps with ArgoCD; built a CI/CD pipeline with automated deployments; decommissioned the original server and ensured a smooth, zero-downtime transition.
- Deployed Prometheus, Grafana, Loki, and Sentry to enable real-time monitoring, performance analysis, and proactive issue detection across infrastructure and applications.
- Automated tasks with Python and Bash (e.g., database backups, cronjobs, and bulk-creating DNS records and Sentry projects via API for new environments), cutting manual effort and overhead.

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Aug 2022 - Sep 2022

DevOps Engineer Intern

- Provisioned AWS VMs with Terraform, installed Kubernetes, and set up Jenkins with custom pipelines.
- Dockerized apps and collaborated with dev interns on deployments and DevOps tasks in Kubernetes.

EDUCATION

BSc. Of Computer Engineering, Arab Academy for Science & Technology

Sep 2017 - Jan 2023

CERTIFICATIONS

<u>CKS: Certified Kubernetes Security Specialist</u>	Feb 2025	<u>CKA: Certified Kubernetes Administrator</u>	Jan 2025
<u>GCP Certified: Associate Cloud Engineer</u>	Nov 2024	<u>Microsoft Certified: Azure AI Fundamentals</u>	May 2024
<u>AWS: Certified Cloud Practitioner</u>	Apr 2023	<u>Cloud DevOps Engineer Nanodegree</u>	Oct 2021

SKILLS

Technical Skills & Tools

Kubernetes, Helm, Docker, Nginx, Azure DevOps, Jenkins, CircleCI, ArgoCD, Gitlab, Azure, Terraform, Git, SQL, Bash, Python, AWS, Prometheus, Grafana, Loki, Ansible, Trivy, System Administration, CI/CD, GitOps, Cloud Management, Cost Optimization, DevSecOps, Network & System Troubleshooting, Automation, System Enhancement, Scripting, AI, Documentation

Soft Skills

Problem-Solving, Attention to Detail, Time & Risk Management, Presentation Skills, Adaptability, Collaboration & Teamwork, Process Optimization, Efficiency Improvement, Continuous Learning, Rapid Skill Acquisition

Languages

English (Fluent), Arabic (Native)