Mohamed Beshr

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Summary

DevOps Engineer with 5+ years in IT infrastructure, including 3+ years building and running cloud platforms on GCP and AWS with Kubernetes, Terraform, and GitOps. Focused on security, observability, and cost.

Experience

Modeso (Switzerland), *DevOps Engineer (Hybrid, Egypt Office)* Aug 2023–Present

- Build and support platforms on GCP and AWS for enterprise products including TWINT, 1LIMS, Aumico, Dentalaxess, Recotree, and LIDL Gift Cards, on private GKE, Cloud Run, and GCE.
- Standardize Terraform governance across **16+ GCP projects**: pipeline-based plan/apply, scheduled drift detection with Google Chat alerts, and oversized state split into independent domains.
- Design reusable GitOps delivery with Helm and Argo CD app-of-apps; secure workloads with least-privilege IAM, PAM/IAP, Workload Identity, External Secrets, and WAF.
- Operate production databases for high-traffic e-commerce and healthcare products, including a sharded MongoDB cluster across multiple countries and regions.
- Build observability with Managed Prometheus and exporters that give QA teams visibility during testing; cover about two weeks a month of 24/7 production on-call.
- Cut non-production cost with automated environment scale-down, on-demand performance environments, and Cloud SQL scheduling, reducing spend by **66.7%** on one project.

Earlier: Information Technology Officer, CMA CGM (2022–2023), led the network and IT setup of the Alexandria Port office; System Administrator, ISFP at Taba Land Port (2021–2022), on-site link between the government client and the technical teams.

Freelance & Consulting

Remote client work alongside my full-time role 2024–Present

Faradah (Saudi Arabia), *DevOps Consultant (Freelance, Remote)*

- Own GCP infrastructure for **6 applications** at a Saudi fintech company, moving them onto one standard foundation with reusable Terraform and keyless GitHub Actions (Workload Identity Federation).
- Reduced cloud infrastructure costs by **more than 60%** by restructuring and optimizing services; enforce PAM/IAP-only access, WAF, automated backups, and monitoring.

Luzan (Saudi Arabia), *DevOps Engineer (Freelance, Remote)*

- Deployed **5 Cloud Run services** on serverless GCP with Pub/Sub messaging and Cloud SQL.
- Routed traffic through an Application Load Balancer with WAF protection in front of the services.

Enfaq (Saudi Arabia), *DevOps Engineer (Freelance, Remote)*

- Took a Saudi fintech product from Docker Compose to production on private GKE in **three weeks**, with Terraform and Helm for both pre-production and production.
- Automated delivery with Cloud Build and Argo CD, put services behind a WAF, and added GKE scaling workflows that reduced non-production cloud costs.

EUNX (UAE), *DevOps Engineer (Freelance, Remote)*

- Built the private GKE platform from scratch with Terraform and Helm, with Apigee and SAST in the delivery pipelines.
- Migrated the environments from GCP/GKE to **AWS EKS** with Argo CD, WAF, workload IAM roles, and External Secrets.

Skills

GCP | AWS | Kubernetes (GKE, EKS) | Helm | Argo CD | Docker/Compose | Terraform | Jenkins | Cloud Build | Cloud Run | Pub/Sub | GitHub Actions | Apigee | Linux | Bash | Python | Managed Prometheus | PagerDuty | Opsgenie | SAST | IAM/WIF | PAM/IAP | WAF | Secrets Management | MongoDB | PostgreSQL | Cloud SQL | Cost Optimization | Incident Response

Education

DevOps Track, ITI Egypt, 2022 | **BSc Communication & Electronic Engineering**, Alexandria University, 2021

Certifications

Google Associate Cloud Engineer, 2025 | CKA, 2024 | KCSA, 2025

Community & Competitions

- **DevOpsDays Cairo (2026):** Finalist with OrchestrAI, top 20 of 142 submissions.
- **Egypt AWS DeepRacer League (2025):** Ranked 11th of 85 participants through reinforcement-learning optimization.
- **AI Finance Hackathon (2024):** Ranked in the top 12 of 78 teams with an AI-enabled real-estate finance solution.