

Mohamed Borham

DevOps Engineer

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PROFILE

Results-driven **DevOps Engineer** with proven experience automating infrastructure, deploying scalable containerized environments, and improving CI/CD reliability. Delivered multiple AWS-based projects using **Docker, Kubernetes, Terraform, and Ansible**, cutting setup time and ensuring consistent deployments. Bridges the gap between development and operations by implementing automation, proactive monitoring, and streamlined delivery workflows that boost uptime and team productivity.

TECHNICAL SKILLS

- **Cloud Platforms:** AWS (EC2, S3, EKS, VPC, IAM, CloudWatch)
- **Infrastructure as Code:** Terraform, AWS CloudFormation
- **Containerization & Orchestration:** Docker, Kubernetes, OpenShift, Podman
- **Automation & Configuration Management:** Ansible, Terraform, Bash, Python, YAML
- **CI/CD & Version Control:** Jenkins, Git, GitHub Actions, GitLab CI/CD
- **Monitoring & Performance Management:** Prometheus, Grafana, CloudWatch Dashboards
- **Operating Systems:** Linux (Ubuntu, Amazon Linux, RHEL), Windows Server Basics
- **Networking & Security:** TCP/IP, DNS, HTTP/HTTPS, VPN, Firewall Rules, Load Balancing, Security Groups

SOFT SKILLS

Problem Solving | Communication | Collaboration | Adaptability | Time Management | Continuous Learning

PROFESSIONAL EXPERIENCE

iVolve Technologies, DevOps Engineer Intern Oct 2025 – Nov 2025

- Automated **infrastructure provisioning and application deployments** using **Ansible, Docker, and Kubernetes**, enhancing consistency and reducing manual errors.
- Designed and maintained **CI/CD pipelines** using **Jenkins and Argo CD**, improving release reliability and deployment speed.
- Supported **cloud-native application delivery** by leveraging **AWS services, GitOps workflows, and container orchestration best practices**.
- Collaborated with senior engineers to optimize automation scripts and implement secure deployment practices.

github.com/Mohammed-Borham/iVolve-internship

National Telecommunication Institute, Cloud DevOps Trainee Jul 2025 – Oct 2025

- Completed hands-on technical training through **AWS Academy** (Cloud Architecting, Foundations, Security) and **Red Hat Academy** (Linux, OpenShift, Podman, Ansible).
- Gained practical experience with **Terraform, Kubernetes, Docker, Ansible, OpenShift, Podman, Helm, Git, Jenkins, and GitLab CI/CD**.

- Deployed containerized applications and automated infrastructure builds on **AWS**, improving environment reproducibility and stability.
- Collaborated in team-based DevOps simulations focused on **automation, monitoring, and incident resolution**.

EDUCATION

Bachelor's Degree in Electronics and Communications Engineering

Sep 2018 – Jul 2023

Higher Institute of Engineering and Technology, Alexandria, Egypt

CERTIFICATIONS

HCCDA – Tech Essentials (Huawei Cloud)

- Certificate No.: HWENDCTEDA880337 | Valid until: 2028-10-28
- Verification: drive.google.com/file/d/1CFZr8c5AhWlhOfbvPbYb2THeBbGPxow-/view?usp=sharing

PROJECTS

Cloud DevOps Project – iVolve Graduation Project

Nov 2025

- Built an end-to-end cloud-native DevOps pipeline using AWS, Terraform, Docker, Kubernetes (EKS), GitHub Actions, and ArgoCD.

github.com/Mohammed-Borham/Cloud-DevOps-Project

3-Tier AWS VPC Architecture with Endpoints – Personal Project

May 2025

- Designed and implemented a secure, scalable 3-tier AWS VPC architecture across multiple Availability Zones, including Gateway & Interface VPC Endpoints, NAT Gateway, and RDS Multi-AZ setup.
- Documented the architecture and automated deployments; repository available for review.

github.com/Mohammed-Borham/3-Tier-AWS-VPC-Architecture

Library Management System – DevOps Training Project (CLS)

Apr 2025

- Created a Jenkins CI/CD pipeline and deployed containerized apps on AWS EKS (Kubernetes).
- Provisioned infra via Terraform and set up monitoring with Prometheus & Grafana.

github.com/Mohammed-Borham/Library-management-system

LANGUAGE

Arabic: Native - Mother Tongue

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English: Professional Working Proficiency - B2