

# HASSAN SHAMSEDDINE

## DEVOPS ENGINEER

### PROFILE

DevOps Engineer specializing in cloud infrastructure, Kubernetes, and MLOps. Strong track record deploying HA platforms, optimizing AWS architectures, and building reliable CI/CD systems. Focused on automation, performance, and scalable design while cutting cost and operational overhead.

### WORK EXPERIENCE

#### DevOps Engineer | Inmind.Ai | May 2024 - Present

- Designed & delivered a resilient on-prem, HA Kubernetes platform for LLM inference & ML pipelines, integrating automated deployments, DR capabilities, & GPU-optimized scheduling.
- Established robust resource governance, quotas, requests/limits, GPU partitioning to maximize hardware efficiency & increase cluster utilization under budget constraints.
- Played a key role in executing an AWS account migration with near-zero downtime, ensuring continuity across all customer-facing systems.
- Authored the organization's hybrid-cloud migration strategy, mapping AWS services to self-hosted alternatives & shaping platform best practices.
- Drove day-2 operations automation using Helm & the Kubernetes SDK, reducing manual ops & deployment inconsistencies.
- Re-architected IaC into modular, region-agnostic components enabling both multi-tenant & isolated deployments.
- Investigated platform bottlenecks & implemented targeted performance & security improvements across AWS services.
- Optimized CI/CD by simplifying buildspecs & assisting the shift from CodeBuild to GitHub Actions, improving build speed & reducing cost.
- Engineered a multi-region AWS deployment model from a single CI/CD account, ensuring secure cross-region execution & reusable deployment patterns.
- Driving the architecture & delivery of an ephemeral pre-production environment & coordinating its rollout for safe testing of high-risk changes with selected clients.

#### DevOps Engineer | BLUE.AI | April 2023 - April 2024

- Optimized server & Kubernetes performance, achieving 99.983% availability.
- Improved deployments with Helm & GitLab CI/CD, doubling frequency & reliability.
- Automated DevOps workflows, cutting task completion time by 50%.
- Implemented monitoring with Grafana & Kube Prometheus Stack.
- Hardened Kubernetes security for microservices.
- Enhanced collaboration via Jira, Confluence, & workshops, reducing task times by 50%.
- Refined SDLC with Gitflow, automated releases, & SemVer strategies.
- Improved code quality by 20% & ensured stability with k6 & TIG stack.

### CONTACT

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### SKILLS

#### Cloud & Kubernetes

- AWS (multi-account, hybrid)
- Kubernetes (HA/DR)
- Hybrid Cloud & On-Prem Infra

#### Containers & IaC

- Docker & Containerd
- AWS CDK, Terraform

#### CI/CD & Automation

- GitHub Actions, GitLab CI, CodePipeline, CodeBuild
- Helm, Kubernetes Python SDK
- Bash & Python scripting

#### Observability & Security

- Prometheus, Grafana, Loki, Alloy
- IAM, SCPs
- Nginx Ingress, OAuth2 Proxy, SSL/TLS

#### Stateful & Messaging Systems

- PostgreSQL, RDS
- Redis, Valkey
- Kafka, RabbitMQ, EMQX, Pulsar
- OpenSearch, Elasticsearch
- MinIO
- TopoLVM

### CERTIFICATES

#### AWS

- SAA-C03 | 7-2025

### EDUCATION

B.S. in Computer Science  
Lebanese International University  
2023

### LANGUAGE

- English - Fluent
- Arabic - Native

### PUBLICATIONS

[How Git LFS Handles Large Files](#)  
[Using Multiple Remote Repositories](#)