



Firas MOSBEHI

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LinkedIn profile | Github profile | Personal Website

PROFESSIONAL SUMMARY

Results-driven DevOps Engineer with 2 years of hands-on experience in automating deployment pipelines, managing cloud infrastructure, and implementing CI/CD solutions. Proven expertise in containerization technologies, infrastructure as code, and cloud platforms including AWS and Azure. Strong track record of reducing deployment times, improving system reliability, and fostering collaboration between development and operations teams. Passionate about leveraging automation and modern DevOps practices to optimize software delivery processes and enhance operational efficiency.

EDUCATION

Engineering Diploma in Software Engineering

Graduated: 2025

National School of Applied Sciences and Technologies (INSAT)

Tunisia

GPA: 15/20 | Honors: Very Good Mention

Relevant Coursework: Software Architecture, DevOps Practices, Cloud Computing, Database Management, Distributed Systems, Containerization Technologies, CI/CD Pipeline Development, Network Administration

PROFESSIONAL EXPERIENCE

DevSecOps Engineer

02/2025 – Present

The QA Company

Saint-Étienne, France

- Designed and implemented secure DevOps practices integrating security testing into CI/CD pipelines, reducing vulnerabilities by implementing automated security scanning tools
- Architected and deployed high-availability infrastructure across multiple environments (development, staging, production) ensuring 99.9% uptime and seamless failover capabilities
- Established comprehensive monitoring and alerting systems using Prometheus and Grafana to ensure system reliability and rapid incident response
- Implemented infrastructure as code using Terraform and Ansible for consistent multi-environment deployments, reducing configuration drift and deployment errors

DevOps Developer

09/2023 – 11/2024

Nexaminds

Tunisia

- Developed and maintained CI/CD pipelines using GitLab CI, automating build, test, and deployment processes for microservices applications
- Orchestrated containerized microservices deployments on Kubernetes clusters, implementing auto-scaling, service mesh, and load balancing for optimal performance
- Created Docker containerization strategies for multiple microservices, reducing deployment time by 60% and improving environment consistency
- Implemented monitoring solutions and logging aggregation using ELK stack to track application performance and troubleshoot issues efficiently

PROJECTS

Kubernetes Taskboard Platform

- Deployed production-ready Kubernetes platform on AWS EKS featuring full-stack taskboard application with comprehensive observability stack (Prometheus, Grafana, Loki, Tempo)

- Implemented GitOps workflow using ArgoCD for automated continuous deployment and self-healing cluster management
- Configured Kubernetes Gateway API for advanced routing with AWS Application Load Balancer integration
- Developed Infrastructure as Code using Terraform for VPC, EKS cluster, and managed node groups across multiple availability zones

Automated EC2 Deployment Pipeline

- Built automated deployment pipeline combining Terraform for infrastructure provisioning and Ansible for configuration management on AWS EC2
- Integrated GitHub Actions CI/CD workflow for automated infrastructure deployment and application updates
- Demonstrated Infrastructure as Code best practices with version-controlled deployment automation

Task-Board with Full Observability Stack

- Developed full-stack application with React frontend and Go backend featuring complete observability implementation
- Implemented OpenTelemetry instrumentation for distributed tracing, metrics collection, and log aggregation using Prometheus, Loki, and Tempo
- Created GitHub Actions CI/CD pipeline for automated testing, Docker image building, and publishing to GitHub Container Registry
- Designed Docker Compose manifests for local development and production-like observability testing

Optimized Dockerfiles Repository

- Created collection of production-ready, optimized Dockerfiles for popular frameworks (React, Next.js, Angular, Vue, Svelte, FastAPI)
- Demonstrated DevOps best practices including multi-stage builds, minimal base images, and security hardening techniques
- Reduced Docker image sizes by up to 90% through optimization strategies and efficient layer caching

TECHNICAL SKILLS

Container & Orchestration: Docker, Kubernetes, Docker Compose, Helm, ArgoCD, Kustomize

Cloud Platforms: AWS (EKS, EC2, VPC, S3, IAM, RDS), Azure

Infrastructure as Code: Terraform, Ansible, CloudFormation

CI/CD Tools: Jenkins, GitLab CI, GitHub Actions, Azure DevOps

Monitoring & Observability: Prometheus, Grafana, Loki, Tempo, OpenTelemetry, ELK Stack

Security & DevSecOps: Trivy, SonarQube, OWASP, Vault, Security Scanning

Programming & Scripting: Python, Go, Bash, Shell Scripting, YAML

Web Servers & Proxies: Nginx, Apache, HAProxy

Version Control & Collaboration: Git, GitHub, GitLab, Bitbucket

Networking & Load Balancing: AWS ALB/NLB, Kubernetes Ingress, Gateway API, Service Mesh

Databases: PostgreSQL, MySQL, MongoDB, Redis

Methodologies: Agile, Scrum, GitOps, DevSecOps, Site Reliability Engineering (SRE)