

# Mouelhi Mustapha

## Devops Engineer

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**LinkedIn:** <https://www.linkedin.com/in/mustapha-mouelhi/>

• **Portfolio:** <https://github.com/Mustapha02> **English:** Bilingual (IELTS 850/1000) - **French:** intermediate- **Arabic:** Native.

### PROFESSIONAL EXPERIENCE

#### BH-ASSURANCE

*Devops Engineer*

Tunis - Tunisia

04/2024 - Present

- Implemented Infrastructure as Code (IaC) with Terraform and Ansible to provision and manage Azure VMs, AKS, and Container Apps, reducing provisioning time by 35%.
- Integrated SonarQube for code quality and API testing, increasing code reliability by 25% and reducing deployment errors by 30%, leading to a more efficient CI/CD pipeline.
- Deployed observability with Grafana, Loki, and Prometheus, enabling real-time alerting, improving performance tracking by 40%, and reducing error detection time by 30%.
- Deployed .NET microservices into Kubernetes clusters and Azure Kubernetes Services (AKS), leveraging Azure Container Registry (ACR) for image management and enabling zero-downtime updates.
- Built end-to-end CI/CD pipelines in Azure DevOps for microservices, automating continuous integration, testing, and deployment with zero-downtime releases.
- Designed and managed Docker-based environments (Dockerfiles, Docker Compose) for microservices, integrating MongoDB and APIs, ensuring scalable, reliable cloud-native application deployments.

#### Oxacloud

*Devops Engineer*

Tunis - Tunisia

09/ 2022 – 10/ 2023

- Led server optimization on Nginx, Apache, and Litespeed, improving page load times by 40% and reducing downtime by 15%. Enhanced application deployment on Jelastic Cloud, cutting provisioning time by 40% and improving uptime.
- Designed CI/CD pipelines with Jenkins, reducing manual deployment tasks by 70% and boosting work efficiency. Implemented containerization strategies that increased server efficiency by 20% and reduced infrastructure costs.
- Managed Kubernetes-based microservices, improving scalability by 25%. Automated Infrastructure as Code (IaC) deployments with Terraform, cutting deployment time by 40% and enhancing system performance.
- Integrated monitoring tools like Grafana and Prometheus, improving system data visibility by 30% and optimizing overall infrastructure monitoring.

#### Avaxia

*System Administrator*

Tunis - Tunisia

09/2021 – 09/2022

- Managed system backups and recovery operations, ensuring 100% data recovery and minimizing downtime.
- Integrated and configured Zabbix server/agent, creating custom graphs and templates, which improved system monitoring efficiency by 25% and reduced incident response time by 20%.
- Delivered end-user support, promptly resolving tickets, with a 95% resolution rate for efficient issue resolution.
- Monitored and optimized SAP ERP system performance, achieving a 15% boost in overall efficiency.

### EDUCATION

#### Big data engineering degree

*Polytech-Intl*

Tunis - Tunisia

09/2022 – 09/2024

### SKILLS

- **Programming & Scripting:** Python, Bash, Java, JavaScript.
- **Monitoring & Observability:** Grafana, Prometheus, Loki, Zabbix.
- **Cloud Platforms:** AWS, Azure, Jelastic.
- **Containers & Orchestration:** Docker, Kubernetes, ACR, Helm.
- **CI/CD & Automation :** Azure DevOps, Jenkins, GitLab CI, GitHub Actions
- **IaC & Config Management:** Terraform, Ansible.

### CERTIFICATES

- **Microsoft Certified:** Azure Administrator Associate (AZ-104).
- **Microsoft Certified:** Azure Fundamentals (AZ-900).
- **Microsoft Certified:** Azure Data Fundamentals (DP-900).
- **AWS Certified:** Cloud Practitioner (CLF-C02).