

# Melek BADREDDINE

Computer Engineer – Seeking opportunities in Cloud, DevOps, and AI

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## EXPERIENCE

### DevOps Engineer

Final Internship

Qim info

Feb. 2025 – Jun. 2025

- Implemented an observability solution to monitor containerized microservices.
- Set up automated CI/CD pipelines covering the entire development lifecycle.
- Integrated performance and security testing into the continuous delivery process.

**Keywords:** Jira, Confluence, Kubernetes, OpenTelemetry, Terraform, GCP, Helm, GitLab CI/CD, ArgoCD, Trivy, Falco, Prometheus, JMeter, OctoPerf, Mimir, Loki, Tempo, Grafana

### DevOps Engineer

Internship

ProCAN

Jun. 2024 – Jul. 2024

- Developed a secure web application for container interaction and management.
- Automated infrastructure provisioning and integrated security tools.
- Implemented a continuous deployment process with real-time monitoring.

**Keywords:** Spring Boot, Maven, JSON Web Token, MySQL, JasperReports, Swagger, Angular, VMware, Docker, Kubernetes, Terraform, Azure, Jenkins, SonarQube, Trivy, Git, GitHub, ArgoCD, Helm, Prometheus, Grafana

### DevOps Engineer

End-of-Year Project

REGIM Lab

Dec. 2023 – May 2024

- Co-developed a web and mobile platform in collaboration with psychotherapists from Hédi Chaker Hospital.
- Integrated a conversational chatbot and deployed it on a scalable infrastructure.

**Keywords:** Flutter, Firebase, OAuth 2.0, Git, GitHub, Flask, OpenAI API, Docker, Azure Kubernetes Service (AKS)

## PROJECTS

### DevOps Capstone Project – Coursera

**Keywords:** Kanban, Flask, GitHub Actions, Docker, OpenShift, Tekton

### AWS Infrastructure Automation and CI/CD Implementation

**Keywords:** Docker Compose, Terraform, Ansible, IAM, VPC, EC2, S3, RDS, ECR, Jenkins

### Deployment and management of microservices on Istio

**Keywords:** Kubernetes, Istio, Kiali, Jaeger, ArgoCD, Grafana

## SKILLS

**Project Management:** UML, Agile, Jira, Confluence    **AI/ML:** TensorFlow, PyTorch, Spark, MLflow, CrewAI

**Programming Languages and Frameworks:** Python, TypeScript, Java, Go, C/C++, SQL, Flask, Spring Boot, Angular

**Data Management & Cloud:** Oracle, SQLite, PostgreSQL, Firebase, Talend, Power BI, Databricks, AWS, Azure, GCP

**DevOps:** Docker, Kubernetes, Terraform, Ansible, Helm, Jenkins, ArgoCD, n8n, OpenTelemetry, Prometheus, Grafana

## EDUCATION

### National Engineering School of Sfax

Computer Engineering Degree

Sfax, Tunisia

Sep. 2022 – Jun. 2025

**Relevant Coursework:** Cloud Computing, DevOps, Artificial Intelligence, Deep Learning, Cybersecurity, Networking, Distributed Systems, Advanced Databases, Software Engineering...

### Preparatory Institute for Engineering Studies of Sfax

Math and Physics Preparatory Program

Sfax, Tunisia

Sep. 2020 – Jun. 2022

**Relevant Coursework:** Calculus, Algebra, Physics, Computer Science, Engineering Sciences and Technologies...

## LANGUAGES

• **Arabic:** Native

• **English:** Intermediate

• **French:** Intermediate

## CERTIFICATIONS

• AWS Cloud Quest: Cloud Practitioner

• Scrum Fundamentals Certified (SFC™)

• ACE Multicloud Network Associate