

Melek BADREDDINE

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

• (+216) 54 459 691 | • badreddine.malek@enis.tn | [/melekbaddiridine](#) | [/melekbaddiridine](#) | • Sfax, Tunisia

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

Sfax, Tunisia

Computer Engineering Degree

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

Sfax, Tunisia

Math and Physics Preparatory Program

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