

Mohamed Amine Sidhom

· DEVOPS & CLOUD ENGINEER

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Education

Hochschule schmalkalden-University of Applied Sciences

EXCHANGE STUDENT

- Exchange Student Pursing Engineer Diploma in Software Engineering

Schmalkaden , Germany

October 2024 - October. 2025

Private University of Engineering and Technology (ESPRIT)

ENGINEER DIPLOMA IN SOFTWARE ENGINEERING

- Field of Study: Architecture IT and Cloud Computing

,Ariana , Tunisia

September 2022 - Juin. 2025

Higher Institute of Computer Science of Mahdia (ISIMA)

BACHELOR IN COMPUTER ENGINEER

- Field of Study: IOT and Embedded Systems

,Mahdia , Tunisia

September 2019 - Juin. 2022

Work Experience

Qodexia

CLOUD & DEVOPS ENGINEER INTERN

- Deployed a full-stack web app on AWS using EC2 Auto Scaling, and Load Balancer.
- Managed AWS RDS (PostgreSQL), S3 for storage, and automated CI/CD via GitHub Actions & AWS CodeDeploy , and Terraform for IAC.
- **Technologies used : AWS (EC2, RDS, S3, Load Balancer) , Terraform, GitHub Actions, AWS CodeDeploy , Scrum .**

Paris, France

October 2024 - January 2025

BIAT IT

DEVOPS ENGINEER

- Designed and deployed a CI/CD pipeline for a full-stack application (Spring Boot & Angular) using GitLab, optimizing deployment efficiency.
- Implemented containerized environments with Docker and deployed applications on Azure Kubernetes Service (AKS).
- **Technologies : GitLab, Docker, Kubernetes, Spring Boot, Angular ,Git , Scrum .**

Tunis, Tunisia

Jully 2024 - August. 2024

BIAT

WEB DEVELOPMENT ENGINEER

- Developed a web-based backup tape and cabinet management system, improving operational workflow.
- Integrated Continuous Integration (CI) workflows for automated code testing and version control using Git.
- **Technologies used : symfony ,Angular , Mysql , Git , Scrum.**

Tunis, Tunisia

June. 2023 - Aug. 2023

BIAT LABS

IOT ENGINEER

- Designed an IoT-based infrastructure for IT asset management, enhancing monitoring capabilities.
- Developed a real-time web application for equipment tracking, using React, Node.js, Express, and MongoDB.
- Implemented Arduino hardware integration for real-time data collection and automated alerts.
- **Technologies : React JS , Node JS , express , MongoDB , Arduino , Git , Scrum .**

Tunis, Tunisia

Jan. 2022 - Aug. 2022

projects

- | | | |
|------|---|---------|
| 2024 | Devops Project , Implemented a CI/CD pipeline with Jenkins , automating build, test, and deployment. Used Docker and Docker Compose for containerization and deployment. Integrated SonarQube for code analysis, OWASP ZAP for security testing, and Nexus for artifact management. Set up Prometheus and Grafana for real-time monitoring and alerts. | Tunisia |
| 2024 | Integrated Cloud Infrastructure & Academic Platform , Developed a private IaaS using OpenStack with scalable resource management, deployed applications on OpenStack infrastructure with Kubernetes monitoring via Grafana and Prometheus . | Tunisia |

Certificates

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| 2024 | KodeKloud , Shell Scripting , Docker Training | Tunisia |
| 2022 | Udemy , Full Stack JS | Tunisia |

SKILLS

- **Languages:** English: C1, French: C1, Deutsch: A1, Arabic: Native Language.
- **DevOps & Cloud Tools:** AWS , Azure , Jenkins, GitLab, Docker, Kubernetes, Ansible, Terraform, Grafana, Prometheus , Github .
- **Databases:** Oracle, MySQL, NoSQL , MongoDB , PostgreSQL.
- **Programming Languages:** Java, Typescript, JavaScript, C , C++ , PHP, Python.
- **Frameworks :** Spring Boot, React Js, Node Js , Symfony , .NET, Angular.