

Ala Eddine Mhedhbi

Cloud & Devops Engineering Student



www.linkedin.com/in/alamhadhbi



+49 15511306041



ala.mhadhbi@esprit.tn



Marburg, Germany


PROFILE

DevOps and Cloud Engineering student with hands-on experience designing and automating scalable, production-grade systems using Docker, Kubernetes, and Jenkins. Skilled in CI/CD pipelines, infrastructure as code, and observability with Prometheus and Grafana. Passionate about building efficient, secure, and reliable systems in Agile environments.

EDUCATION

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|---|------------------------------------|
| FINAL YEAR ENGINEERING STUDIES IN COMPUTER SCIENCE <i>Philipps-University Marburg</i> | 2025 – Present Marburg, Germany |
| ENGINEERING STUDIES IN COMPUTER SCIENCE <i>ESPRIT (Private Higher School of Engineering and Technology)</i> | 2023 – 2025 Ariana, Tunisia |
| BACHELOR'S DEGREE IN INFORMATION SYSTEMS DEVELOPMENT <i>Higher Institute of Technological Studies of Nabeul</i> | 2020 – 2023 Nabeul, Tunisia |
| BACCALAUREATE IN TECHNICAL SCIENCES <i>Mohamed Boudhina High School</i> | 2016 – 2020 Hammamet, Tunisia |

PROFESSIONAL EXPERIENCE

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|---|--------------------------------------|
| CLOUD & DEVOPS ENGINEER INTERN <i>DOTCOM S.A.R.L</i> | 06/2025 – 09/2025 Tunis, Tunisia |
| <ul style="list-style-type: none">Modernized a production-grade hotel management platform  serving multiple hotels and clients, improving scalability and uptime.Migrated legacy modules to Angular 18, Node.js (Express), and PostgreSQL to enhance maintainability.Designed and automated a CI/CD pipeline with Jenkins, Docker, and Kubernetes, reducing deployment time by 40%.Integrated Prometheus and Grafana dashboards for real-time observability and proactive monitoring.Led a 4-member team under the Scrum framework, managing sprints, task allocation, and delivery timelines.Optimized container orchestration and resource usage in a production-grade Kubernetes environment. | |
| BACKEND DEVELOPER & SERVER MANAGEMENT INTERN <i>DOTCOM STARTUP</i> | 07/2024 – 08/2024 Nabeul, Tunisia |
| <ul style="list-style-type: none">Developed and maintained RESTful APIs using Express (Node.js), improving performance and backend scalability.Created Bash scripts for server health checks, log rotation, and error detection, enhancing backend stability.Implemented JWT-based authentication and role-based access control (RBAC) to strengthen system security.Worked closely with frontend and DevOps teams to ensure seamless API integration and performance optimization. | |

FULL-STACK DEVELOPER

TUNISIE TELECOM

01/2023 – 06/2023
Tunis, Tunisia

- Designed and developed a **full-stack e-learning platform** [↗](#) using **React** (frontend) and **NestJS** (backend), enabling online course management and user interaction.
- Integrated the **Stripe payment gateway** to support secure online transactions and automated billing processes.
- Implemented a **digital certification system** that automatically generates certificates upon course completion.
- Designed and optimized **PostgreSQL database schemas** with daily automated backups to ensure data integrity and reliability.

PROJECTS

CLOUD INFRASTRUCTURE DEPLOYMENT WITH OPENSTACK2024 – 2025

- Designed and deployed a **private cloud** with **1 controller & 4 compute nodes** for high availability.
- Configured **Cinder & Swift** for block/object storage and **Neutron SDN** for network segmentation.
- Integrated **Kubernetes** for container orchestration and **Prometheus/Grafana** for observability.
- *Impact:* Simulated a 99% uptime environment and improved resource scalability testing.

RADIOHUB MULTIPLATFORM APP2023 – 2024

- Developed a **DICOM-based medical imaging system** using **Symfony** and **Java**.
- Integrated **AI algorithms** for cancer detection with over **85% accuracy**.
- Awarded **3rd Place** at **ESPRIT Ball Project 2024** for innovation and technical quality

Demo Video: Project Presentation [↗](#)

Repositories:

- [Symfony Repository](#) [↗](#)
- [Java Repository](#) [↗](#)

LANGUAGES

ENGLISH

Fluent

ARABIC

Native

GERMAN

A2 – Beginner

FRENCH

Fluent

SKILLS

DevOps & Automation:

Jenkins, GitLab CI, Docker, Kubernetes, Terraform, Ansible

Programming & Scripting

Python, Bash, JavaScript, SQL

Tools

Git, Jira, Postman, FlutterFlow

Cloud Platforms

OpenStack , AWS , Azure

Monitoring & Reliability:

Prometheus, Grafana, AWS CloudWatch

Systems & Databases:

Linux (Ubuntu/CentOS), MariaDB, PostgreSQL

CERTIFICATES

- AWS Academy Cloud Foundations
- CCNA: Switching, Routing, and Wireless Essentials
- Devops Fundamentals(by IBM)