





# Ala Eddine Mhedhbi

## Cloud & Devops Engineering Student

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 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

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

### PROFESSIONAL EXPERIENCE

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

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 OPENSTACK 2024 – 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 APP 2023 – 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

**Cloud Platforms**

OpenStack , AWS , Azure

**Programming & Scripting**

Python, Bash, JavaScript, SQL

**Monitoring & Reliability:**

Prometheus, Grafana, AWS CloudWatch

**Tools**

Git, Jira, Postman, FlutterFlow

**Systems & Databases:**

Linux (Ubuntu/CentOS), MariaDB, PostgreSQL

CERTIFICATES

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