



# Louay Berraies

## Cloud / DevOps Engineering Student

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### 👤 Profile

Computer Engineering student specializing in IT architecture, cloud computing, and DevOps at ESPRIT, currently studying at Philipps University of Marburg. DevOps intern at Lissi GmbH, working on the European Digital Identity (EUDI) project, graduating soon, based in Frankfurt, and seeking a Working Student position starting March 1st.

### 🎓 Education

<b>Free-Mover Program</b> <i>Marburg University</i>	10/2025 – Present   Marburg, Germany
<b>Exchange Program</b> <i>Hochschule Schmalkalden</i>	2024 – 2025   Schmalkalden, Germany
<b>Engineering Degree in Computer Science, specialization in Cloud &amp; DevOps, EUR-ACE® accredited</b> <i>Private Higher School of Engineering and Technology (ESPRIT), Tunisia</i>	09/2020 – 2025   Ariana, Tunisia

### 💼 Professional Experience

<b>Lissi GmbH</b> <i>Devops Engineer Intern</i>	09/2025 – 02/2026 Frankfurt am Main, Germany
During my DevOps internship at Lissi, I worked on multiple technical topics within the EUDI project. My responsibilities included infrastructure-related tasks, developing unit tests for onboarding applications, and implementing a centralized logging system for production virtual machines, with log visualization in Azure Log Analytics. I contributed to automating credential delivery processes for clients and participated in the migration of services from Azure Kubernetes Service (AKS) to Azure Container Apps (ACA), including configuration and deployment. I also designed and maintained two Azure DevOps pipelines to enable automated application deployment on each update. In addition, I worked on Microsoft Defender for Cloud security recommendations for cloud resources and contributed to SBOM enrichment scripts to enhance software supply chain visibility. Throughout the internship, I collaborated with the IT infrastructure team to troubleshoot issues and support various operational tasks.	
<b>RFC</b> <i>DevOps intern</i>	07/2024 – 09/2024 Centre Urbain Nord, Tunisia

Designed and implemented a CI/CD pipeline for a Spring Boot and Angular application, progressively automating build, test, and deployment stages. Integrated Jenkins to orchestrate the pipeline and used Nexus for artifact management and storage. Implemented SonarQube to continuously monitor code quality. Containerized the application with Docker to ensure portability and ease of deployment. Deployed the solution on Azure AKS, leveraging cloud scalability for flexible and resilient application management. This approach significantly improved deployment efficiency while enhancing overall application reliability.

<b>Vneuron Risk &amp; Compliance</b> <i>Development intern</i>	07/2023 – 09/2023   Charguia 2, Tunisie
Developed an automated integration test for the REIS KYC system, ensuring seamless interaction between services, databases, and APIs. The test validated these interactions without manual intervention, improving update speed and system reliability. This approach contributed to more efficient development cycles, faster feedback, and higher overall system quality.	

Integrated into the team, actively participating in meetings and live broadcast sessions. Following the internship, worked as a **sound technician/engineer and producer**, collaborating closely with the editing team and seamlessly coordinating with other departments.

## Projets académiques

### **OpenStack Infrastructure Setup (Controller, Compute, and Storage Nodes)**

- Configured a foundational cloud infrastructure on OpenStack to host applications.
- Set up and managed compute and storage nodes for application deployment.
- Utilized Nova for compute resource management and Cinder for reliable, scalable storage.
- Delivered a robust, highly available, and scalable infrastructure for future deployments.

### **Full-Stack Web Application with Spring Boot and Angular, Deployed on Azure AKS**

- Developed a full-stack web application using Spring Boot (backend) and Angular (frontend).
- Containerized the application with Docker and deployed it on Azure Kubernetes Service (AKS) for orchestration.
- Implemented automatic scaling, high availability, and efficient resource management, with a streamlined deployment pipeline from development to production.

### **Cross-Platform Q&A Application (Web/Desktop/Mobile)**

- Led the development of a multi-platform Q&A forum for web, desktop, and mobile.
- Built the web version using Symfony, PHP, and Bootstrap, supporting public and private posts with external API integrations.
- Developed a desktop version in JavaFX and a mobile app with Codename One, ensuring seamless synchronization across platforms.
- Demonstrated expertise in full-stack development and delivering a consistent user experience across web, desktop, and mobile platforms.

## Skills

**DevOps:** Azure Pipelines, Docker, Jenkins, Ansible, Terraform, Github, JUnit, Nexus, SonarQube, Azure Pipelines •

**Server Administration:** Linux, Kubernetes, Virtualization, pfSense, Nagios, Shell Scripting, OpenStack •

**Monitoring:** Prometheus, Grafana • **Development:** .NET, Spring, Angular, Python, Java, Symfony •

**Cloud Services:** Azure Kubernetes Service (AKS), Azure Container Apps, Azure Files, Azure Key Vault, Azure DevOps, Log analytics

## Languages

**English** — Professional

**Français** — Bilingual

**Arabic** — Native

**Allemand** — Learning

## Organisations

### **Lifeguard**

*Protection civile*

2019 – 2023 | Bizerte, Tunisie