



# OUESSAMA ELAMRANI

COMPUTER ENGINEERING STUDENT (CLASS OF 2026)

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[Portfolio](#) | [LinkedIn](#) | [Oussama Elamrani](#) | [oussamaelamranii](#) | [Oujda, Morocco](#)

## TECHNICAL SKILLS

- Programming Languages : C#, Java, PHP, JavaScript
- Frameworks & Technologies : Spring, Spring Boot, ASP.NET, Jakarta EE, Symfony, Angular, Bootstrap
- DevOps & Cloud: Docker, Kubernetes, Jenkins, Ansible, SonarQube, Grafana, Prometheus, Maven, Azure, Terraform, Argo CD
- Principles & Best Practices : SOLID, Design Patterns
- Architectures: Microservices ,MVC, CQRS, API REST & RESTful
- Agile Methodologies : Scrum, Kanban
- Version Control & Collaboration : Git & GitHub, GitLab

## CERTIFICATIONS

- Azure AZ-900 (Microsoft)
- C# (freeCodeCamp with Microsoft)
- Java (HackerRank)
- Angular (HackerRank)
- JavaScript (HackerRank)
- SQL (HackerRank)
- DELF B2 (French)

## EXTRACURRICULAR

- CPM Club EHEI :IT Cell Manager
- Rotaract Club EHEI : Digital Communication Cell Manager

## LANGUAGES

- Arabe : Native language
- Français : B2 Level
- Anglais : Reading, Writing, Speaking

## SOFT SKILLS

- Technology scouting (continuous exploration )
- Self-learning ( continuous training )
- Team spirit ( collaboration, support, synergy )

## INTERESTS

- Sports : Taekwondo, swimming, bodybuilding, chess.

## EDUCATION

### 2023-2026

(present)

Computer Engineering Degree  
Graduate School of Engineering (EHEI), Oujda

### 2021 - 2023

Preparatory Cycle  
Graduate School of Engineering (EHEI), Oujda

### 2020-2021

High School Diploma in Physical Sciences  
High School Riad, Oujda

## INTERNSHIPS

### Computer engineer at SQLI Oujda

June 2025 - July 2025

Designed and developed an internal medical visit management & scheduling system

Designed and developed an invitations and confirmations module featuring:

- Email-based invitations and status management (accepted, absent, spontaneous) between collaborators and physicians
- CQRS architecture in Symfony 7.3 (Twig Components, Bootstrap, JavaScript) with LDAP authentication
- Real-time notifications via Mercure and behavior-driven tests (TDD) to ensure feature robustness
- Continuous quality assurance using PHPStan, CS-Fixer, and SonarQube
- Pre-production environment setup with Docker and Ansible, plus CI/CD pipelines on GitLab CE
- Agile collaboration, Git/GitLab version control, and strict workflow adherence

## PROJECTS

### Student Guidance Platform

In Progress

Developed a web application providing:

- Academic path guidance (Bac → Bac+5) & institution selection (public/private/university)
- Entrance exam simulators & cost-of-living estimation
- Visa advice & integrated help resources (FAQ, step-by-step guides)
- **Architecture:** Microservices
- **Technologies :** Spring Boot (microservices) ,Angular 18 , Docker, Kubernetes, Terraform, Ansible, SonarQube, Jenkins, déploiement sur Azure

### Modular Agriculture System

2025

Designed and developed a modular system providing:

- Automated irrigation control & soil moisture monitoring via IoT sensors
- Personalized weather recommendations & user notifications based on crop type and soil conditions
- Field geolocation & an integrated online store
- **Architecture :** Microservices
- **Technologies :** ASP .NET Core (.NET 8), Symfony 7, Spring Boot, Arduino Uno/ESP8266, Angular 18, Docker, Kubernetes, Terraform, Jenkins, Azure Kubernetes Service, Prometheus, Grafana, SQL Server, MySQL, Redis

### Morocco Travel Assistant

2025

Developed a travel planning application providing:

- Morocco trip planning & curated activity recommendations
- Tailored accommodation suggestions & itinerary management
- **Technologies :** Jakarta EE, HTML, CSS, Bootstrap, JavaScript, MySQL