



# Abderrahim ADHAOUR

Computer Science Student At EMI looking for PFA Internship

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abderrahimadh

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Rabat, MOROCCO

## Professional Summary

With a solid foundation from Mohammadia School of Engineers. Fueled by a passion for Cloud and DevOps. I am actively seeking a challenging internship opportunity to refine my skills and make a meaningful contribution to innovative teams.

## Professional Experience

### Full Stack Developer Intern

Province Chtouka Ait Baha

Jul 2024 – Aug 2024

- Developed an HR management application to streamline employee and administrative workflows.
- Implemented features for attendance tracking, leave management, and performance reviews.
- Enabled secure, role-based access and automated generation of analytical reports.
- Technologies** : Next.js, PostgreSQL, Prisma, shadcn/ui, Agile Project Management

## Projects

### CI/CD DevOps Pipeline Project Implementation for Scalable Java Application Deployment

- Built a complete CI/CD DevOps pipeline to automate the build, test, and deployment lifecycle of a Java application.
- Integrated tools like Jenkins, Maven, SonarQube, Trivy, and Nexus to ensure code quality, security, and artifact management.
- Deployed the application on Kubernetes with Docker containers, ensuring scalability, monitoring (Prometheus/Grafana), and alerting via Gmail.
- Technologies** : AWS, Jenkins, Maven, SonarQube, Trivy, Nexus, Docker, Kubernetes, Prometheus, Grafana.

### AWS Cloud Pentesting Project for EC2, RDS, S3, and IAM Security

- Designed and implemented a custom Python-based security audit and pentesting suite targeting AWS services: EC2, RDS, S3, and IAM.
- Simulated real-world attack scenarios including brute-force login attempts, misconfigured bucket access, IAM privilege escalation, ...
- Generated HTML reports (Jinja2) with risk analysis and exploit proofs.
- Technologies** : AWS (EC2, RDS, S3, IAM, VPC, Lambda, CloudTrail, CloudWatch), Python, Jinja2, Nmap, SQLMap, Commix, FFUF, OWASP ZAP, CloudSploit, ELK Stack

### HOTEL RESERVATION APPLICATION

- Developed an intuitive user interface using Angular.
- Built a secure REST API with Spring Security and JWT for authentication and authorization.
- Implemented MySQL for efficient data management and storage.
- Technologies** : Angular, Spring Boot, MySQL, Bootstrap

## Education

### Engineering Degree, Computer Science Engineering

MOHAMMADIA SCHOOL OF ENGINEERS : 2nd year student

Sep 2023 - present

### PREPARATORY CLASSES, Physics and Engineering Sciences (PSI)

CPGE Reda Slaoui, Agadir

Sep 2021 - Jul 2023

## Skills

- Programming Languages** : Python, C, C++, Java, SQL, R
- Linux administration (Bash, system tools)**
- Cloud computing platforms** (AWS, GCP)
- Cloud Database Management** (MySQL, RDS, PostgreSQL, Firestore, MongoDB)
- DevOps Tools** : Git, GitHub, GitLab, Docker, Ansible, Terraform, Jenkins
- Monitoring and Logging** : Prometheus, Grafana
- Agile Methodology**
- Frontend** : HTML, CSS, Tailwind CSS, Bootstrap, JavaScript, TypeScript, React.js, Angular, Next.js
- Backend** : Node.js, Spring Boot

## Soft Skills

- Problem Solving and Critical Thinking
- Adaptability and Flexibility
- Teamwork and Interpersonal Skills
- Continuous Learning and Improvement

## Languages

- English
- French
- Arabic