

Ahmed Amine ABBACH *Software engineer student*

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📍 Mobilité nationale et internationale

🔗 LinkedIn

EDUCATION

Software engineer student - FST, Settat

2023 – Present

Currently in my last year of engineering studies

Bachelor's degree in mathematics and computer science - FST, Al Hoceima

2023

DEUST Diploma in Mathematics, Physics and Computer Science - FST, Al Hoceima

2020 – 2022

Baccalaureate in Physical Sciences - Lycée 2 Octobre 1955

2020

PROFESSIONAL EXPERIENCE

IT Intern – SofiMed

06/2025 – 08/2025

Casablanca, Morocco

- Designed and developed a secure web application for file transfer.
- Backend:** Spring Boot (Java 21), JPA/Hibernate, MySQL, secured with JWT authentication.
- Implemented an **email service** for transfer confirmations, automatic reminders, and alerts.
- Set up a **Scheduler** to:
 - Automatically delete expired files,
 - Send scheduled email reminders.
- Built real-time notifications with **WebSocket** for transfer tracking.
- Frontend:** Next.js (React + TypeScript) with responsive design using **Tailwind CSS**.
- Managed user authentication, roles, and permissions with **Spring Security**.
- Automated deployment on **Dokploy** with containerization (**Docker**) and service orchestration.

IT Intern – Wedomatic

06/2024 – 08/2024

Casablanca, Morocco

- Update the WEEASYORDER application with a new, optimized version.
- Develop the user interface using **React** and **Typescript**.
- Optimize user experience and ensure compatibility with new features.
- Perform tests and corrections to guarantee front-end performance and stability.

Final year internship (PFE)-Wedomatic

04/2023 – 06/2023

Development of WEEASYORDER, a web application for managing table orders in restaurants and cafés.

Casablanca, Morocco

TECHNICAL SKILLS

Backend

Java, JEE (Servlet, JPA, CDI), Spring (Spring Boot, Spring MVC), Hibernate, PHP

design and modeling

UML, Merise, Design Patterns

Frontend

HTML, CSS, JavaScript, TypeScript, React.js, Next.js, Angular, Tailwind CSS, JavaFX, Flutter

DevOps & Deployment

Tools

GitHub, GitLab, Docker

Programming languages

Operating Systems

Windows, Linux

Database

Oracle, MySQL, MongoDB

Design

Figma, Adobe Illustrator

ACADEMIC PROJECTS

Rhythmfy - Mobile Music Streaming App - Flutter. FastAPI . MongoDB

Developed a mobile platform to stream, organize, and recommend music.

MIT Global AI Hackathon - Multilingual Scam Detection Agent

Selected from ~850 candidates to develop, in 2 hours, a multilingual AI agent for detecting scams on WhatsApp and websites.

- International Hackathon | March 2025. Responsible AI. Agile Teamwork

E-commerce Applications - React . TypeScript . Spring Boot . MySQL

- Online platform for selling artistic paintings, designs, and photographs
- Clothing sales website

Built full-featured platforms with modern UI and complete product, order, and payment management.

Digital Library Management Web Application - Jakarta EE JSP . Hibernate . JPA . MySQL

Platform for managing books, loans, and users.

Scientific Publication Management Application - JavaFX

Desktop interface for managing scientific articles.

LANGUAGES

Arabic — Native

French — Fluent

English — Intermediate

PERSONAL SKILLS

Leadership abilities

Problem-solving and management skills

Teamwork

Effective communication

Time management

INTERESTS

Programming | Design | Sports | Community/volunteer work