ABBACH Ahmed Amine
Software engineer student

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Education

Software engineer student FST, Settat (since 2023)
Currently in my third year of engineering studies
Bachelor's degree in mathematics and computer science (2023)
DEUST Diploma in Mathematics, Physics and Computer Science FST, Al Hoceima (From 2020 to 2022)
Baccalaureate in Physical Sciences – Lycée 2 Octobre 1955, (2020)

Professional experience

Intern in the IT department - SofiMed,, Casablanca, Morocco - From June 2025 to August 2025 3 months)
- Update the WEEASYORDER application with a new, optimized version.
- **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.

Intern in the IT department Wedomatic, Casablanca, Morocco - From May 2024 to August 2024 3 months)
- 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, Casablanca, Morocco - From April 2023 to June 2023 (2 months)
Development of WEEASYORDER, a web application for managing table orders in restaurants and cafés.

Technical skills

Backend: Java, JavaFX, JEE Servlet, JPA, CDI, Spring Spring Boot, Spring MVC, Hibernate, PHP
Frontend: HTML, CSS, JavaScript, TypeScript, React.js, Next.js, Tailwind CSS, Flutter
Programming languages: C, Python, Java, C#, Dart
Database: Oracle, MySQL,MongoDB
design and modeling: UML, Merise, Design Patterns (Singleton, Observer, MVC, Chain of Responsibility...)
DevOps & Deployment Tools: GitHub, GitLab et Docker
Operating Systems: Windows, Linux
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 24 hours, a multilingual AI agent for detecting scams on WhatsApp and websites.
  International Hackathon | March 2025 · Responsible AI · Agile Teamwork
- **E-commerce Applications -** Next.js · 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
Gaming
Community/volunteer work