ABDELWAHID EL-FAHMY

Final Year in Software Engineering | ENSA Agadir, Morocco

📞 +212 624427716   ✉ abdelwahidelfahmy@gmail.com   🌐 https://elfahmy.vercel.app/
🔗 linkedin GitHub

PROFILE

I am a Software Engineer specializing in Java and Spring Boot, experienced in crafting full-stack web applications and RESTful APIs. Passionate about DevOps and AI, I utilize best practices, test-driven development (JUnit), and automated CI/CD pipelines to architect and deliver scalable and maintainable solutions.

EDUCATION

National School of Applied Sciences   Agadir, Morocco
Software Engineering Degree   *Sep 2021 − Present*

Ouzoud High School   Azilal, Morocco
Baccalaureate in Physical Sciences   *Sep 2020 − Jun 2021*

PROFESSIONAL EXPERIENCE

End-of-Year Project Intern - Omni Networks   Agadir, Morocco
Internship Management Platform   *Feb 2025 − May 2025*

- Designed and developed secure RESTful APIs with JWT-based authentication.
- Applied key software engineering principles such as DI, IoC, OCP, AOP, OOP.
- Integrated Spring Boot Actuator to monitor and supervise application performance.
- Built a smooth user interfaces using React, Vite, Redux, and Tailwind CSS.
- Collaborated in an agile environment and practiced version control with Git and GitHub.

Introductory Internship - F4T SARL   Azilal, Morocco
E-Learning platform   *Jul 2024 − Aug 2024*

- Developed a secure RESTful API using Express.js.
- Implemented the MVC architecture for clean code separation.
- Designed a MySQL relational database schema, ensuring data consistency and integrity.
- Created reusable UI components with React and CSS for a responsive and modern user interfaces.

PROJECTS

Rest API for an Agile Projects Management App

- Implemented core functionalities like sprint creation, backlog management, and user story tracking.
- Wrote unit/integration tests using JUnit and Mockito to ensure API reliability and performance.
- Integrated Hibernate ORM for efficient database management and object-relational mapping.
- Utilized Data Transfer Objects (DTOs) to ensure clean and secure data flow between layers.
- Developed a centralized exception handling mechanism.
- Documented the API endpoints using Swagger for better usability and testing.

PharmacieOnline — Patients Prescriptions Management

- Developed a full-stack web application for managing patient prescriptions using Java EE with EJB and React on the frontend.
- Integrated an interactive map (Leaflet) allowing patients to locate nearby pharmacies.
- Used Stateless Session Beans (EJB) to handle business logic and ensure scalable, transactional services.

Drivers and Driving Licenses Management

- Developed a desktop application using C# and WinForms for managing drivers and their driving licenses.
- Implemented a 3-tier architecture to ensure maintainability and scalability.
- Used ADO.NET to connect a SQL Server database, enabling seamless data retrieval and updates.
- Designed an intuitive and user-friendly Forms to facilitate data entry, search, and license management.
- Implemented validation and error handling mechanisms to ensure data integrity and robustness.
- Optimized queries and data access for better performance in large datasets.

SKILLS

Programming Languages: Java, Javascript, Typescript, C, C++, C#, Python

Backend Development: Spring Boot, JEE, .Net, Express.js

Frontend Development: React.js, Next.js, Tailwind, HTML5, CSS

DevOps & Networks: Version control with Git & GitHub, Linux systems and network administration, Bash scripting, TCP/IP, DNS, Firewall configuration (Iptables).

Data Bases Administration: OracleDB, MySQL, SqlServer

Algorithms & Data Structures

Méthodologies & Tools: Agile, Scrum, Figma, UML

Soft Skills: Teamwork, Communication, Problem Solving, Adaptability, Autonomy

LANGUAGES

Arabic (Native), **French** (Professional), **English** (Professional)

INTERESTS

Chess, Football, Competitive programming, Traveling