

# HAJAR AIT ABDIELMOMIN

Software Engineer | Java Full stack developer | Oracle Java SE 17 Certified

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## SUMMARY

Entry-level Software Engineer with a strong foundation in full-stack development, specializing in Java, Spring Boot, and modern frontend frameworks (React/Angular). Experienced in designing, developing, and deploying scalable web applications, integrating APIs, and working with cloud platforms. Proven ability to manage complex projects from conception to production while ensuring code quality and performance. Highly motivated to contribute to enterprise grade software solutions and grow within dynamic engineering teams.

## EDUCATION

### Hassan 1<sup>st</sup> University – ENSA

- *Engineer Degree in Computer Science*

Berrechid, Morocco

Oct 2021 – Jun 2024

### Ibn Tofail University – Faculty of Sciences

- *Bachelor of Science in Mathematics and Computer Science.*

Kenitra, Morocco

Nov 2020 – Jul 2021

### Ibn Sina Technical High School – BTS

- *Higher Technician Certificate in IS Development*

Kenitra, Morocco

Sep 2018 – Jul 2020

## PROFESSIONAL EXPERIENCE

### Capgemini Engineering - Software Engineer Intern (Feb–Jun 2024)

Casablanca, Morocco

**Topic:** Digitalization Of the Onboarding Process for New Hires and Monitoring the Skill Development of Consultants: "Welcome In".

- Analyze client needs and draft functional specifications.
- Developed a digital onboarding system using NextJs, Strapi, MySQL, AWS, improving onboarding speed by 30%.
- Containerized services with Docker and deployed to AWS, enhancing scalability and reliability.
- Designed process flows and UI/UX using Figma, aligning automation logic with real-world operations.
- Worked in an Agile/Scrum team and won 1st prize in an internal competition for best project execution.

### INFO ETOILE - Software Engineer Intern (Jul–Sep 2023)

Kenitra, Morocco

**Topic:** Integrated Management of Jobs and Recruitment Process, « CareerHub » Platform.

- Designed and developed backend services and secure authentication (UML, Spring Boot, JWT, Spring Security).
- Built structured, scalable API endpoints powering recruitment workflow automation.
- Modeled optimized database schemas for high-throughput operations (offers, applications, profiles).

### WEBECO – Web Developer Intern (Jul–Aug 2022)

Kenitra, Morocco

**Topic:** IT Ticketing System

- Contributed to the development of an internal IT ticketing system to track support issues.
- Used Laravel 8 (MVC architecture) and MySQL to build backend functionalities.
- Designed user-friendly interfaces using HTML and Bootstrap 4.

## PROJECTS

### Web Application – ENSA Berrechid Admission Process

- Analyzed the real admission workflow used by the school, then modeled it using BPMN diagrams.
- Built responsive front-end interfaces using Angular and Bootstrap.
- Developed secure backend services with Java, Spring Boot, and Spring Security.
- Used MongoDB for scalable data handling, and Docker to containerize the application for easy deployment.

### School Management Web Application – BTS Final Project

- Modeled the full set of school management processes using UML diagrams to ensure clear system understanding.
- Designed and developed the application using Java/JEE, following MVC and DAO architecture patterns.
- Created an interactive front end using HTML, CSS, JavaScript, jQuery, and Bootstrap.

### Project Management System – Backend Development

- Define functional requirements and design the system using UML.
- Developed the backend independently using Spring Boot to build API and secured it with Spring Security.
- Documented APIs using SpringDoc OpenAPI for easy reference and integration.
- Containerized the application with Docker for consistent deployment.

### Spring AI Multi-Model Comparison Tool

- Developed a full-stack app to compare OpenAI, Claude, and Ollama responses using Spring AI.
- Implemented a React interface with per-model latency and token estimation.

## **LANGUAGES**

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**Arabic:** Native | **English:** Conversational | **French:** Conversational | **Spanish:** Beginner

## **SKILLS**

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- **Backend:** Java, Spring Boot, Spring Security, Spring AI, Java EE, REST APIs.
- **Frontend:** ReactJS, Next.js, JavaScript, Angular, TypeScript, TailwindCSS, Bootstrap, HTML, CSS
- **Cloud & DevOps:** AWS, Docker, Git, Maven
- **Architecture:** Microservices, Event-Driven Systems, API Design, MVC, DAO
- **Databases:** MySQL, MongoDB, SQL, PL/SQL
- **Tests :** JUnit
- **Modeling & Design :** UML, BPMN
- **Tools:** Git, Jira, Figma, OpenAPI/Swagger

## **CERTIFICATIONS**

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- Oracle Certified Java SE 17 Developer | Oracle Cloud Infrastructure Foundations | AWS Cloud Technical Essentials | Automation Script Using Selenium and Java | JUnit Overview | Docker – Introduction

## **SOFT SKILLS**

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- Autonomy | Proactivity | Analytical mindset

## **INTERESTS**

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- Reading tech blogs, learning languages, writing and publishing blogs, and developing new skills beyond technology.