

Hafsa Nayah

Software Development Engineer Intern

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Professional Profile

Aspiring Software Development Engineer Intern with a strong foundation in full-stack development, distributed systems, and cloud technologies. Proficient in Java, Python, and AWS services, with hands-on experience in designing scalable and fault-tolerant applications. Demonstrates excellent problem-solving skills, a passion for developing industry-defining projects, and a commitment to continuous learning and effective collaboration in team environments.

Education

- 2023–Present **Master's in Software Engineering and Information Systems**, *Faculty of Science and Technology*, Errachidia
- 2020–2023 **Bachelor's Degree in Software Engineering**, *Moulay Ismail University*, Errachidia

Professional Experience

- Jul 2024 – Sep 2024 **Web Developer Intern**, *EHC*, Casablanca
- Developed a recruitment platform, leading front-end and back-end development using **React**, **Node.js**, and **MySQL**.
 - Implemented responsive user interfaces with **SCSS**, **CSS**, and **Bootstrap**.
 - Managed tasks using **Scrum** methodology and collaborated with cross-functional teams to deliver high-quality software solutions.
 - Optimized database queries, improving application performance by 20%, demonstrating strong problem-solving and optimization skills.
- Jul 2023 – Aug 2023 **Front-End Developer Intern**, *WebDono*, Meknès
- Participated in front-end development of an e-commerce platform using **React**, **HTML**, and **CSS**.
 - Designed responsive user interfaces, optimizing the platform for cross-browser compatibility.
 - Contributed to a 30% increase in user engagement by enhancing the user experience.
- Dec 2023 – Jan 2024 **Web Developer Project**, *Faculty of Science and Technology*, Errachidia
- Created an e-commerce website for sports clothing using **React**, **SQL**, and **JavaScript**.
 - Integrated back-end database systems for product management and user transactions.
- Nov 2023 – Dec 2023 **Hotel Reservation System Developer**, *Faculty of Science and Technology*, Errachidia
- Developed a hotel reservation management system using **SQL Server**, **pyQt5**, and **QtDesigner**.
 - Integrated functionalities for room booking, availability checks, and reservation management.
- Jan 2024 **Distributed Systems Project**, *Moulay Ismail University*, Errachidia
- Designed and implemented a distributed inventory management system using **Java** and **AWS EC2**.
 - Ensured system scalability and fault tolerance by leveraging AWS services like **S3** and **Lambda**.
 - Conducted performance optimization, reducing latency by 15%.

Technical Skills

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|-----------------------|---|
| Programming Languages | Java, Python, C, JavaScript (React) |
| Cloud Platforms | AWS (EC2, S3, Lambda), Azure |
| Web Development | React, Node.js, HTML, CSS, SCSS, Bootstrap |
| DevOps Tools | Git, Docker, Jenkins |
| Databases | MySQL, SQL Server, SQLite |
| Distributed Systems | Experience with scalable system design, microservices architecture, and fault-tolerant applications |

Agile Methods **Scrum, Kanban**

Certifications

- 2024 AWS Certified Solutions Architect – Associate
- 2024 Distributed Systems Specialization (Coursera)
- 2024 DevOps Beginners to Advanced with Projects (Udemy)

Languages

- Arabic Native
- French Advanced (B2)
- English Advanced (B2)

Soft Skills

Effective teamwork, strong communication, adaptability, problem-solving, and time management