

SAUFI ANAS

Software Development Engineer

Seeking a full-time position as a recent graduate to join a dynamic team and contribute to the success of ambitious technical projects.

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in Anas SAUFI

🌐 github.com/asaufi

EXPERIENCE

Master's Internship Software Development Engineer

🏢 Dassault Systèmes

📅 March 2025 – September 2025 📍 Vélizy-Villacoublay, France

- Prototyping a distributed system for unified management of logs and traces (OpenTelemetry, Jaeger, OpenSearch).
- Study and experimentation of architectures to support high data volume.
- Adapting and optimizing the workflow for trace analysis and visualization.
- Close collaboration with infrastructure and distributed computing teams.
- **Keywords:** C++, Distributed Systems, Cloud, OpenTelemetry, Jaeger, OpenSearch, Grafana, Docker.

Web Developer Internship

🏢 Secure Real Estate Web Platform

📅 July 2024 – September 2024 📍 Marrakech, Morocco

- Created a website using Express.js and MongoDB with CRUD features.
- Managed user and agent roles for creating, updating, and deleting listings.
- Implemented authentication, session management, and route security.
- Performed unit and functional tests to ensure site stability.
- **Keywords:** JavaScript, Node.js, Express.js, MongoDB, TypeScript, React.js, Docker, REST API.

Assistant Developer Internship

🏢 UM6P

📅 April 2023 – June 2023 📍 Benguerir, Morocco

- Designed and implemented system intervention mechanisms.
- Collected detection data into a database.
- Developed a web application to display detections in real time.
- **Keywords:** C++, Python, Data Collection, Web Application, Real-time, Monitoring.

EDUCATION

Master in Computer Science - IWOCS

🏢 Université Le Havre

📅 2023 – 2025 📍 Le Havre, France

- Web Engineering, Internet of Things, and Complex Systems.

Bachelor's Degree in Computer Science

🏢 La Rochelle Université

📅 2022 – 2023 📍 La Rochelle, France

- General program.

DUT - Computer Engineering

🏢 ENS Marrakech

📅 2020 – 2022 📍 Marrakech, Morocco

- Fundamental principles of software development and distributed systems.

PROJECTS

Smart Contract – Dutch Ascending Auction

- Designed a smart contract managing a Dutch ascending auction and Web3 interface.
- **Keywords:** Solidity, Web3, Blockchain, React.js.

Connected IoT Station with ESP32

- Created an environmental measurement station with ESP32 and real-time dashboard.
- **Keywords:** ESP32, IoT, MQTT, Docker, Grafana.

Distributed MD5 Decryption Application with Docker Swarm

- Developed a full-stack application for distributed MD5 hash brute-force decryption.
- Orchestrated multiple workers using Docker Swarm and distributed tasks with RabbitMQ.
- Backend in Node.js/Express, user interface in React.js with real-time display.
- **Keywords:** Node.js, Docker Swarm, React.js, RabbitMQ, Express.

Distributed Database System Simulation

- Simulated a distributed client-server system with centralized coordination, concurrent request handling, and visualization in JavaFX.
- **Keywords:** Java, JavaFX, Multithreading, Client-Server.

SKILLS

- **Programming Languages:** C++, Java, HTML5, CSS, SQL, Oracle (PL/SQL), TypeScript, UML, LaTeX
- **Tools & Frameworks:** Git, Docker, React.js, Node.js, Express.js, Jaeger, Grafana, Anaconda Jupyter, Eclipse, PyCharm
- **Cloud Services:** MongoDB, OpenSearch, Distributed Infrastructure

LANGUAGES

- English & French (Level: C1)
- Arabic (Native Language)

VOLUNTEER WORK

Member of the BRIDGE ENS Club

- Organized integration events and participated in cultural and social life.

CERTIFICATIONS

- **Advanced React (Meta – Coursera)** – Certification obtained.