Achraf Bitar

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SUMMARY

Junior computer engineer, trained at ENSMR. I view code as a language of ideas. Through my internships and projects, I have developed practical expertise in distributed systems, web, and reactive architectures. Curious and engaged, I seek to solve concrete problems within a dynamic team.

EXPERIENCES

- **End-of-study internship in web development at Attijariwafa Bank** — *Casablanca, Maroc — Mar 18 - Jul 18 2025*
  Full-stack development of the SmartFX Core Trading System for Attijariwafa Bank's FX operations. Designing and implementing a modular architecture using **React**, **Spring Boot**, and **Kafka**. Delivered key features such as real-time notifications and advanced error handling.

- **End-of-year internship at VINCI EXPROM FACILITIES** — *Casablanca, Maroc — Jul 01 - Sep 01 2024*
  Built and implemented a centratlized purchasing and stock management system using **Power Apps**, **Power Automate**, and **SharePoint**. Digitalized purchase requests, automated approval workflows and provided real-time inventory tracking.

- **Introductory internship at OQTech** — *Kenitra, Maroc — Jul 06 - Aug 06 2023*
  Front-end development for the official OQTech company showcase website, translating **UI/UX** into code using **HTML5**, **CSS3** and **Javascript**.

ÉDUCATION

- **ENSMR (Ecole nationale supérieure des mines de Rabat)** — *Rabat, Morocco — Sep. 2022*
  Junior diploma

- **CPGE First Prepa** — *Meknes, Morocco — Sep. 2020 to 2022*
  Academic training for engineering schools, Option: Mathematics and physics

PERSONAL PROJECTS

- **MindfulMessaging addon, Real-Time Chat Application**
  Built a full-stack, real-time chat application using **React**, **Node.js**, **MongoDB** and **Socket.IO**. With the secure **RESTful API** for authentification JWT, the app's core feature is sentiment analysis engine that provides users with feedback on message tone, creating a unique and thoughtful user experience.

- **ClarityDash Application, Personal Finance Tracking**
  Engineered a responsive and performant full-stack dashboard application using the **MERN** stack. Responsibilities included building the **RESTful API** for data management and creating a dynamic React front-end with advanced state management with **Redux Toolkit.**

SKILLS

Languages: JavaScript, Python, Java, SQL, TypeScript.
Full-Stack Development : MERN Stack (MongoDB, Express, React, Node.js), Spring Boot.
Databases and Cloud : MongoDB, PostgreSQL, AWS, Docker
Tools : Git, Agile, Scrum, REST APIs, CI/CD

CERTIFICATES