

Badreddine Aiz

Salé 11010

Badr.aiz@hotmail.com

+212 771 850824

Professional Summary

Passionate and self-driven software developer with expertise in the MERN stack, IoT, and fintech. Strong problem-solving skills, with extensive experience in multi-tenant applications, real-time systems, and competitive programming. Winner of multiple hackathons and tech competitions.

Education

Licentiate degree in Computer Software Engineering

Universite Mohammed V de Rabat

September 2024 to May 2027

Baccalaureat in Science Math B

2024

Skills

- TypeScript
- React
- Databases: MongoDB, MySQL, PostgreSQL, SQLite
- IoT: ESP32, Arduino, MQTT, WebSockets
- Git
- Java
- Software development
- Programming: JavaScript, TypeScript, Python, Java, C++
- Backend: Express.js, Sequelize, Mongoose, REST API, WebSockets
- JavaScript
- HTML
- Front-end development
- APIs
- CSS
- DevOps: Ubuntu VPS, cPanel, Nginx, PM2, SSL
- Web Development: MERN Stack, Next.js, Tailwind CSS, React Query
- Python

Languages

- english - Intermediate
- arabic - Native
- French - Intermediate

Links

<https://deviso.webitagency.reise>

<https://webitagency.reise>

<https://aiqcm.webitagency.reise>

Awards

AfAS Data Science Hackathon-2024

April 2024

From 21-22 April 2024, a 2-day Data Science Hackathon took place after the AfAS conference, featuring about 15 participants. The event, hosted on the ilifu cloud platform, focused on the same challenge as the BAWG Hackathon: distinguishing between active galactic nuclei (AGNs) and star-forming galaxies (SFGs) using machine learning techniques. Participants worked in teams, receiving mentorship and tutorials, before presenting their results to a panel of expert judges. The hackathon highlighted teamwork, learning, and collaboration within the African data science community. <https://hack4dev.org/pe-afashack-2024/>

Certifications and Licenses

Node.js (Intermediate) Hackerrank.com

August 2024 to Present

Understand the concepts behind an Event-Driven Architecture and Concurrency

Frontend Developer (React) Hackerrank.com

August 2024 to Present

It covers topics like React, CSS, and JavaScript.

JavaScript (Intermediate) Hackerrank.com

January 2024 to Present

It covers topics like Design Patterns, Memory management, concurrency model, and event loops, among others.

Publications

AI QCM Solver

<https://aiqcm.webitagency.reise>

February 2025

This AI-powered QCM Solver is a dynamic web application built with the MERN stack (MongoDB, Express.js, React, Node.js) that connects to an AI model in the backend for intelligent question analysis and answer prediction. This project demonstrates AI integration for enhanced learning experiences.

Deviso Web APP

<https://deviso.webitagency.reise>

September 2024

Deviso is a powerful SaaS solution built using the MERN stack (MongoDB, Express.js, React, Node.js) to streamline and simplify the management of business operations such as generating quotes (devis), invoices (factures), purchase orders (bons de commande), and delivery slips (bons de livraison). Tailored for businesses of all sizes, Deviso offers a robust and scalable platform for efficient financial and inventory management.

Water Monitoring System: IoT Solution for Real-Time Water Management

July 2023

This advanced water monitoring system combines IoT technology with a comprehensive software platform to provide real-time monitoring of water levels and usage. The system is powered by ESP32 and Arduino microcontrollers for sensor data collection, an Express.js API for backend management, a Flutter mobile app for user interaction, and a React-based admin panel for system management.