Moujane Ayoub

Senior Full Stack Developer | AI Solutions | Market Intelligence

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About Me

Versatile Senior Full Stack Developer with a chameleon's ability to swiftly master new technologies. Over 5 years of experience transitioning from low-level programming to advanced JavaScript and web development. Passionate about building scalable applications, optimizing performance, and leveraging cutting-edge technologies to deliver robust solutions.

Skills

- **Frontend:** React (Hooks, Redux Toolkit, React Query, useSWR, useReducer), Vue.js (Vuex), Next.js, Modern JavaScript (ES6+), Responsive Design, TailwindCSS

- **Backend:** Node.js, NestJS, Express.js, PostgreSQL, SQL, MongoDB, RESTful API Design

- **State Management:** Redux Toolkit, Vuex, React Query, Recoil

- **DevOps & Tools:** Git, Docker & Docker Compose, Nginx, Ubuntu, Redis, RabbitMQ, PM2, CI/CD Pipelines

- **Data & Algorithms:** K-Means Clustering, Data Visualization, Market Analysis Algorithms

- **Other:** Web Scraping & Automation, IndexedDB for Offline Functionality, Browser Extension Development, Competitive Market Analysis

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Languages

- **English (**Fluent**)**

- **French (**Intermediate**)**

- **Arabic (**Native**)**

Professional Experience

Crawlo – Full Stack Developer
2023 – Present

- Built a powerful browser extension that detects products on e-commerce sites, displays detailed price history, performs competitor analysis, and provides advanced insights for market trends.

- Developed a clustering price point project that compares client market data with global market trends, applying K-Means clustering and a custom relevance algorithm to generate actionable price-point graphs and recommend product strategies to strengthen global market presence.

- Designed and developed an AI assistant capable of executing database queries using predefined functions, filtering, and responding intelligently to user prompts using proprietary system data.

- Enhanced an e-commerce platform by streamlining product creation via EANs, simplifying external platform integrations, and implementing web scraping for automated data collection.

- Created tools to automate real-time production data hotfixes and implemented new features to improve code maintainability.

- Architected scalable backend services integrating external APIs and optimized the system for high performance and reliability.

ITSS France – Full Stack Developer
2021 – 2022

- **Solis Project:** Modernized a legacy front end, enabling offline functionality using IndexedDB and implementing a comprehensive UI/UX redesign.

- **HomeClasse** Project: Developed full-stack features using React and NestJS, automated email workflows via Airtable, and integrated third-party APIs for automated account creation.

- **Fives Project:** Led the development of a critical internal Drupal-powered website to digitize workflows and manage key permissions for a major client.

Education & Certifications

- **42 France (Main Campus: 1337 School, Khouribga) – 2019, 2021**

- **Huawei AI Certification – 2020**

Awards & Achievements

- Recognized for rapid adaptation to diverse tech stacks and delivering high-quality solutions in fast-paced environments.

- Built and deployed complex internal tools, market analysis systems, and browser extensions to automate and optimize data-driven processes.

- Delivered cutting-edge AI-driven applications and market intelligence tools to improve client decision-making.

Summary of Strengths

- Deep understanding of core JavaScript concepts and best practices.

- Proven ability to architect and implement scalable full-stack applications.

- Strong collaboration skills with experience in cross-functional team environments.

- Demonstrated success in delivering production-grade solutions across frontend, backend, and DevOps domains.

- Expertise in applying machine learning algorithms to real-world market problems to generate actionable insights.