

Aifia Mohamed Amine - Software Developer

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EDUCATION

Esprit - Private School of Engineering and Technology

Software Engineering Degree (Evening courses)

Tunis, Tunisia

Septembre 2024 - Present

Isamm - Higher Institute of Multimedia Arts of Manouba

Bachelor of Computer Science

Manouba, Tunisia

Septembre 2020 - June 2023

TECHNICAL SKILLS

Programming Languages: Javascript, Typescript, Java, Python

Frameworks: Angular, Nextjs, Spring Boot, Nestjs

Databases: MongoDB, MySQL

Libraries and Tools: Mongoose, Github, Git, Docker, Postman, Swagger UI, Socket.io, Linux

WORK EXPERIENCE

Fullstack Developer — Backend Developer

Rooly S, Tunis, Tunisia

March 2024 - Present

- **System Design and Architecture:** Led the backend architecture and database design, ensuring scalability and efficient data management..
- **Backend Development:** Primarily responsible for backend services using NestJS, Mongoose, JWT authentication, and MongoDB, with a focus on security and performance.
- **Worked closely with frontend (Next.js, Redux Toolkit) and DevOps (Docker, AWS S3, MongoDB Atlas) teams to ensure smooth deployment and maintenance.**
- **Version 1 Release:** Delivered a stable, production-ready version with core features

Fullstack Developer

CMS Plus, Tunis, Tunisia

March 2023 - May 2023

- **Backend Development:** Led the backend architecture and database design, ensuring scalability and efficient data management.
- **- Real-Time Communication (Chat Module):** Developed a real-time chat module using Web Socket to enable communication between parents, teachers, and administrators. This feature supports one-on-one and group conversations, fostering an interactive learning environment.
- **User Roles and Permissions:** Implemented a robust user role and permission system to manage access for administrators, teachers, students, and parents, ensuring data security and user-level customization.
- **Backend Documentation:** Integrated detailed backend API documentation using Swagger UI to facilitate seamless communication between frontend and backend teams, allowing for easier integration and testing.

PROJECTS

- **Fullstack Responsive E-Commerce App** Angular, Ngrx, Spring Boot, MySQL
Built a full-stack responsive eCommerce platform with user authentication, user account management, file upload, admin dashboard. [GitHub](#)
- **Real-time Messaging Backend System using WebSockets** Spring Boot, spring JPA, MySQL, Web Socket
Developed a real-time messaging backend system supporting one-on-one and group chats with user authentication, user account management using WebSocket and Spring boot. [GitHub](#)
- **Responsive Car rental landing page** Angular, Ngrx, Tailwind css
Built a responsive landing page for car rental application with state management using Ngrx. [GitHub](#)
- **Predictive Machine Learning Model** Python, Skiti-Learn
a prediction model for housing prices using machine learning algorithms, python and Skiti-Learn. [GitHub](#)

CERTIFICATIONS

- **Supervised Machine Learning: Regression and Classification** [Coursera](#)
- **Server-side Development with NodeJS, Express and MongoDB** [Coursera](#)