

Omar Zouiche

Full Stack Developer Intern

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Profile

Mathematics graduate with a passion for programming and hands-on experience in Full Stack Development. Skilled in building scalable cloud solutions, API development, and creating interactive, high-performance web interfaces. Eager to enhance my expertise through collaboration with professionals on impactful projects.

Education

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| Preparatory Classes for French Engineering Schools, <i>Léonce Vieljeux High-school</i> | <i>La Rochelle, 2018</i> |
| BSc in <i>Mathematics</i> , <i>University of Montpellier</i> | <i>Montpellier, 2021</i> |
| MSc 1 in <i>Mathematical Modelling & Numerical Analysis</i> , <i>University of Montpellier</i> | <i>Montpellier, 2022</i> |
| BSc in <i>Web Applications Development</i> , <i>HETIC School</i> | <i>Toulouse, Current</i> |

Skills Summary

- Frontend :

• Backend :

• Databases :

• Tools & Platforms :
- Javascript, Typescript, React, Next.js, Three.js, HTML5, CSS3, Tailwind.

Node.js, Python, Java, Express.js, FastAPI, Spring.

PostgreSQL, SQLite, MongoDB.

Docker, AWS, GNU/Linux, Git, Github, Google Cloud, Figma.

Professional Experience

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|---|-------------------------------|
| Web Developer (Volunteer) EIN (Student Association in Montpellier) | <i>Mar. 2023 - Sept. 2023</i> |
| <div><div>• Led the full stack development of the association's website, ensuring seamless frontend design and backend integration.</div><div>• Collaborated with members to identify functional needs, enhancing the overall user experience.</div><div>• Designed and deployed scalable cloud solutions, tailoring performance to meet user demand.</div><div>• Developed and integrated a PostgreSQL database for efficient management of users and events.</div><div>• Implemented secure online payment functionality via Stripe API to streamline event registration.</div></div> | |
| Mathematics Instructor Acadomia | <i>Sept. 2022 - Jan. 2024</i> |

Projects

- Abroad - Web Platform

• Built a mobile-first, responsive frontend using React (Next.js), enhancing cross-device user experience.

• Integrated PostgreSQL to securely manage user and product data.

• Established user authentication and authorization with Supabase API.

• Deployed secure payment functionality using Stripe API.

• Continuously updated and optimized the platform using Vercel and GitHub, ensuring high performance.
- Messboard - Web Application

• Designed an interactive interface with React and TypeScript for dynamic user interaction.

• Implemented a Express.js server backend for the self-hosted version.

• Integrated AWS services: S3 for media storage, Lambda for backend operations.

• Managed user data via AWS DynamoDB and established secure authentication through Clerk.
- Other Projects & Research

• Developed RESTful APIs with Spring and implemented OAuth2 with JWT for secure authentication.

• Implemented a HTTP server using C on Linux.

• Performed data processing, functional optimization, and numerical and mathematical modelling with Python.

Soft Skills

- Strong analytical and problem-solving skills.

• Excellent communication and teamwork abilities.

• Ability to adapt to new technologies and learn quickly.

• Fluent in French and English.

- Internship Details :

Desired duration of 12 months. My school can accommodate a schedule according to your needs. I am immediately available.