

# ALi Louzizi

+212 621559985

[alouziz860@gmail.com](mailto:alouziz860@gmail.com)

[linkedin.com/in/alilouzizi](https://www.linkedin.com/in/alilouzizi)

[github.com/firstlast](https://github.com/firstlast)

## Technical Skills

---

**Languages:** TypeScript, JavaScript, C, C++, Dart

**Technologies:** React.js, Next.js, Node.js, Flutter, Nest.js, Tailwind css, Material UI, SQL, PostgreSQL (Prisma), Supabase, Strapi, Docker, Kubernetes, Git/Github,

**Concepts:** Compiler, Operating System, API, Multi-threading, Virtualization, Agile Methodology

## Experience

---

### Marrakech Launchpad

January 2024 – Present

*Software Engineer*

*Marrakech, Morocco*

- Developed a comprehensive CRM project for the European market aimed at optimizing company scheduling and work organization.
- Utilized full stack development skills to create a revolutionary software solution with a focus on SAAS.
- Implemented features such as an intelligent agenda for task organization, team shift management, resource allocation, creating tasks, and automated generation of quotes, invoices, and payroll sheets.
- Contributed on a digital marketplace platform, implemented a 3D map and integrated announcements for a user-friendly preview and experience.

## Projects

---

### FT\_TRANSCENDENCE | *Next.js, Nest.js, Tailwind, PostgreSQL (Prisma)*

- Developed a Multiplayer Pong Game: Implemented a real-time multiplayer Ping Pong game using WebSocket and Socket.io, featuring multiple maps and modes, optimized for high-speed performance and scalability under heavy traffic.
- Comprehensive Authentication: Implemented JWT and 2FA authentication for enhanced security.
- Chat and Messaging Features: Implement a chat system, private messaging, and friends list for improved user interaction.

### Inception | *Docker, Nginx, MariaDB*

- Infrastructure Setup: Configured a small infrastructure composed of various services operating under specific rules.
- Centralized Database Solution: Implemented a scalable database solution using MariaDB, providing a reliable foundation for data storage across connected services.
- Docker Containerization: Created Docker containers for the WordPress CMS and a high-performance Nginx web server, incorporating enhanced security features.

### Swika | *Next.js, Material Ui, Supabase*

- Developed a Dynamic Web Application: Created a robust marketplace and real estate estimation platform, offering users seamless navigation and interaction.
- Advanced Filtering Logic: Designed and integrated a robust and high-speed filtering mechanism to enhance user experience.
- Optimized Search Functionality: Improved data retrieval speed, ensuring quick and accurate search results.

### Internet Relay Chat | *C++, Unix sockets*

- Developed an IRC-like Server in C++98: Designed and implemented a high-performance server using C++98, utilizing TCP/IP sockets for reliable communication.
- Multi-Client Support: Engineered the server to handle concurrent client connections efficiently, ensuring a seamless and responsive chat experience.
- File Transfer Implementation: Developed and integrated a file transfer feature, allowing users to send and receive files seamlessly within the chat server.

## Education

---

**1337 School - Mohammed VI Polytechnic University**

2021 - Present

*software engineer – full-stack*

**Lycée Abderahman Ben Zidane**

2020

*Baccalaureate degree in Physical science (SPC)*