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📅 14/02/2004

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📄 PROFILE

- I am a passionate full-stack developer with a strong foundation in C, C++, and modern web technologies like React, Next.js, and Docker. With two and a half years of programming experience and a background in problem-solving from 1337, I love building efficient and scalable applications. I thrive on learning new technologies, tackling complex challenges, and collaborating on impactful projects. I am always eager to push my skills further. Currently, I'm looking for an internship where I can grow as a developer while contributing meaningfully to a tech team.

🌐 LANGUAGES

English

Arabic

📁 PROJECTS

Transcendance (Full-Stack Web Application)

Developed a real-time multiplayer web app as part of my 42 curriculum final project. Built the frontend using Next.js and Tailwind, while the backend uses Django and PostgreSQL. Integrated authentication (2FA), WebSockets for real-time interactions, and Docker for containerization. The project reinforced my skills in scalability, security, and full-stack development.

Minishell (Custom Shell in C)

Built a lightweight Unix shell in C, replicating Bash functionalities. Implemented command parsing, environment variables, process handling (fork, execve, waitpid), and redirections. Focused on memory management (malloc/free) and avoiding leaks using valgrind. This project deepened my understanding of system calls and low-level programming.

IRC Server (Real-Time Chat Application in C++)

Designed and implemented a custom IRC server in C++, supporting multi-client communication, channels, authentication, and basic chat commands. Used poll/select for handling multiple connections efficiently. The biggest challenge was ensuring stable and concurrent communication between users while maintaining performance and security.

Rest of 42 Projects

Mainly C and C++ projects, and Docker

🎓 EDUCATION

42/1337 Software Engineering Program

1337

10/2022 – present | Khouribga, Morocco

Scientific Mathematics and Computer Science (SMIA)

Université sultan moulay slimane khouribga

10/2021 – present | Khouribga, Morocco

🧠 SKILLS

C/C++

ReactJS/NextJS

TailwindCSS

JavaScript/TypeScript

NodeJS

Docker

Git