

OTMANE AMRANI ZERIFI

Software Engineer & Full Stack Developer

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Summary

A motivated Software Engineer with strong foundations in C, C++, Python (Django), and JavaScript. Trained at 1337 School (42 Network), where I built real-time systems and scalable backend services. Skilled in solving complex technical problems, designing efficient solutions, and thriving in peer-driven, collaborative environments. Passionate about RESTful APIs and continuous learning.

Skills

- Programming: C, C++, Python, JavaScript, TypeScript, Shell
- Frameworks: Django, Flask, Node.js, React
- Database: PostgreSQL, MongoDB
- Tools: Git, Docker, Makefile, GDB

Projects

Pong Game(Multiplayer Web App)

Created a full-stack real-time multiplayer platform with Django and PostgreSQL. Integrated WebSockets for live chat and notifications, built REST APIs for data access, and added analytics-ready backend features.

IRC(Multi-Client Chat Server)

Developed a scalable, concurrent chat server in C using epoll for efficient socket management. Implemented user authentication, error handling, and command parsing to support standard IRC protocols.

SecureGuard - Vendor Risk Assessment Dashboard

Developed a modern web application for enterprise vendor risk management using React and TypeScript, featuring dynamic filtering and responsive design. Built with Vite and Tailwind CSS, and deployed on Vercel with optimized performance metrics.

Education

1337 School (42 Network)

Common Core Program (Casablanca, Morocco, 2022–2025) Focused on C, C++, UNIX systems, and full-stack web development. Completed peer-driven projects using Git and collaborative coding practices.

Coursera

IT Technical Support Fundamentals (2021) – Gained knowledge in command-line navigation troubleshooting, and professional IT support practices.

Achievements

- Ranked 25th globally in an international CodinGame coding challenge (2023).
- Improved server response time by 30% through code optimization and efficient resource management in backend services.