

AOUZAL MAROUANE

Software engineer

✉ Marouaneauzal@gmail.com ☎ +212627131841 in Marouane Aouzal 🌐 Marouane Aouzal 📁 Portfolio

Technical Skills

Frontend Development: HTML, CSS, JavaScript, React

Backend Development: Django, PostgreSQL

Low Level c++ / c

DevOps & Tools: Docker, Git, Linux

EDUCATION

1337 coding school - University Mohamed 6 Polytechnic: *Software engineer*

Oct 2022 – now

project-based program. Having strong technical skills and a collaborative mindset. Excited to contribute as a Junior Software Engineer in a team environment.

Projects

Cub3D : C

- Create a dynamic view inside a 3D maze.
- Implement raycasting in the style of the famous Wolfenstein 3D game, the first true FPS in videogame history.

ft transcendence : Docker ,channels , HTML5 and CSS , JavaScript, Posgresql, Django

- Developed a real-time multiplayer Pong game using WebSockets, featuring user registration, tournament management, and in-game player interactions
- Leveraged WebSockets and web development techniques to provide a dynamic and engaging user experience

IRC : C++98, TCP/IP, Non-blocking I/O, poll(), IRC Protocol

- Developed a fully functional IRC server in C++98, compatible with standard IRC clients.
- Handled multiple concurrent client connections using a single poll() system call, ensuring efficient non-blocking I/O and responsive communication.
- Implemented core IRC features: user authentication, nickname and username registration, channel creation/joining, private messaging, and broadcast messaging within channels.
- Designed and enforced role-based access with support for operators and regular users, including operator-specific commands.
- Ensured seamless interaction with standard IRC clients over IPv4 TCP/IP, simulating real-world IRC server behavior.

Inception : Docker , Nginx, MariaDB, , Wordpress

- Built a multi-service infrastructure using Docker in a virtual environment, optimizing containerized environments for various services, supporting 200+ daily users
- Implemented data persistence and service orchestration with Docker Compose for Nginx, Word-Press (with PHP-FPM), and MariaDB

Net Practice :

- Gained hands-on experience configuring small-scale networks, improving skills in TCP/IP addressing and network administration for 50+ simulated clients

Languages

English: Upper Intermediate French: Intermediate Arabic: Native speaker

✓ Marouane Aouzal