

# Hamza Ouadia

FULL-STACK DEVELOPER

## PROFESSIONAL SUMMARY

*Motivated junior full-stack developer with hands-on experience in system-level C/C++ programming and modern web technologies. Trained at 1337 coding school through intensive, project-based learning. Passionate about building scalable applications and always eager to explore new tools and best practices in development.*

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## EDUCATION

### 1337 Coding School | 2022-2025

*Université Mohammed VI Polytechnique, Ben Guerir*

- Intensive, project-based software engineering program focused on low-level programming, algorithms, and full-stack web development.
- Relevant Projects: Inception (Docker/Nginx setup), Webserv (HTTP server in C++), ft\_transcendence (full-stack multiplayer app)

## SKILLS

**Languages:** C, C++, Python, JavaScript

**Web:** HTML, CSS, React, Node.js, GSAP, Three.js, Express, Tailwind CSS

**Frameworks & Tools:** Django, Docker, Git, GitHub

**Databases:** MariaDB, MySQL, PostgreSQL, SQLite

**Other:** REST APIs, WebSockets, Linux, Nginx, JWT, Webpack

**Soft Skills:** Teamwork, problem-solving, autonomy, time management

## PROJECTS

### Inception

- Built a full virtualized infrastructure using Docker Compose.
- Set up services like Nginx, WordPress, MariaDB, and FTP, all containerized with secure configurations.

### Webserv

- Developed a fully functional HTTP server in C++ from scratch, supporting GET, POST, and DELETE methods.
- Implemented CGI handling, configuration parsing, and multi-client support via poll.

### ft\_transcendence

- Created a real-time multiplayer game with authentication, chat, and leaderboard features.
- Used JavaScript, Django, PostgreSQL, and WebSockets.
- Managed deployment using Docker and CI/CD practices.

## LANGUAGES

- English, French, Arabic

## INTERESTS

- 3D web experiences, multiplayer game development, generative art, AI-enhanced development tools, and building smooth, animated user interfaces.