

M'barek Manouze

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SUMMARY

Computer Science student at 1337, Experienced in Ray Casting implementation and handling HTTP server multiplexing in C++, handy in Docker, done a mini-terminal in C. Contributed in backend of ft_transcendence project using NestJS, PostgreSQL, and Prisma ORM. I excel in server-side tech, and knowledge in Python, continuously expanding my skill set and knowledge.

MEANINGFUL PROJECTS

ft_transcendence :

- **Back-end:**
 - experienced in implementing user authentication through the 42-network API for seamless social authentication.
 - Utilized WebSockets to enable real-time features such as user status tracking (online, offline, in-game), facilitating user-to-user chat, and managing the invitation and matching process for playing Ping Pong.
 - Ensured robust security by safeguarding routes and endpoints against potential unauthorized requests; integrated 2FA to increase protection.
- **Front-end:**
 - Used React TypeScript to design an intuitive, charming pleasing, and flawless user interface, thereby enhancing user experience.

Webserv (c++98):

- Implemented multiplexing concepts to manage numerous signals and connections simultaneously.
- Executed HTTP requests (GET, POST, DELETE) for efficient data handling.
- Employed the Common Gateway Interface (CGI) to streamline interactions.
- Proficiently utilized configuration files and their functionalities to enhance system performance.

Inception :

- encapsulating applications for consistent deployments, optimizing resources within containers, and managing networks efficiently.
 - orchestrating multiple containers, simplifying complex deployment setups while ensuring scalability and consistency.
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SKILLS

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|---------|----------------|-----------|--------------|-------------------|---------------------|
| • c | • Javascript | • Nestjs | • Python | • Docker | • Flexibility |
| • c++ | • Typescript | • Express | • HTML/CSS | • OOP | • Group cooperation |
| • react | • tailwind css | • Linux | • Git/Github | • Problem Solving | |
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EDUCATION

2021 | 1337 coding school - UM6P :

- Successfully finished the Common Core at 1337 School, and acquired fundamental programming skills in C, problem-solving proficiency, adaptability, collaborative teamwork, and a foundation in project management, cultivating a flexible skill set to support continuous technical development.

2020-2021 | Physics Chemistry at IBN ZOHR university :

- Studied some of Physics and Chemistry foundational theory concepts (Mechanics, Thermodynamic, Atomic Theory, Chemical Bonds, Algebra, ...etc)

2019-2020 | Derfoufi High school Agadir-Tikouine :

- Bachelor's degree in Physics and Chemistry science
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LANGUAGES

- English
- French
- Arabic
- Tamazight