

SUMMARY

Software engineer with expertise in backend development, Python, TypeScript, and C++. Skilled in frameworks like Django and NestJS. Passionate about building scalable, secure, and efficient applications. Experienced in microservices, RESTful APIs, and containerized deployments using Docker.

EDUCATION

- Software Engineering: 1337 Coding School2021 - 2024
 - Learned advanced problem-solving through peer-based challenges and collaboration.
- Systems and Computer Networks: BTS Al Khawarizmi2017 - 2019
 - Advanced training in Linux, network design, and CCNA 200-301 fundamentals.

EXPERIENCE

- Backend Developer Intern: Sofrecom MoroccoFeb 2023 - Sep 2023
 - Created RESTful APIs with Django, optimizing performance via refined queries.
 - Integrated with an AI/ML model for generating predictions, enhancing application capabilities.

PROJECTS

- Transcendence: Online Ping-Pong Game and Chat(TypeScript, NestJS, Database Design, Docker)
 - Built real-time ping-pong game using WebSockets for instant user interaction.
 - Integrated secure chat features with NestJS backend for seamless communication.
- Inception: Docker/Microservices Architecture(Docker, Nginx)
 - Engineered robust microservices architecture with Docker to ensure application scalability.
 - Leveraged Nginx load balancing for efficient traffic routing and distribution.
- Containers: C++ Library Implementation(C++, Templates, Data Structures)
 - Recreated STL containers, including vector and map, using C++ templates.
 - Implemented Red-Black Tree structures for enhanced data handling and efficiency.
- WebServ: HTTP Server in C++(C++, Linux Networking Syscalls)
 - Developed HTTP server with C++ sockets for reliable client-server communication.
 - Utilized Linux syscalls to manage connections and process incoming requests.

Listed projects and more available at: [github.com/jchakir](#)

TECHNICAL SKILLS

- Languages: C/C++, Python, TypeScriptTools: Git, Docker, Linux, Bash
- Frameworks: Django, NestJSSkills: RESTful APIs, Networking, Bash Scripting, Linux Administration

LANGUAGES

- Arabic (Native)
- English (Intermediate)
- French (Intermediate)