

Lahbib M. Semlali

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EDUCATION

1337(UM6P)

B.S. & M.S. in Computer Science

Ben Guerir

Nov 2022 - Jan 2024

- o **Concentrations:** Computer Science
- o **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Object-Oriented Programming, Statistics & Applications

EXPERIENCE

Ocp SA

Casablanca

Full Stack Developer Intern

Oct 2024 – Apr 2025

- Co-developed and launched an ESG assessment tool using **React**, **Tailwind CSS**, and **Django**, reducing manual evaluation time by **60%**.
- Built the **frontend architecture** in collaboration with another developer, including dynamic forms and real-time validation.
- **created a custom scorecard engine** with **Django** and **PostgreSQL**, enabling clear and consistent comparisons of ESG performance across projects.
- Worked closely with the project manager to write the technical specifications, helping define clear goals and improving delivery speed by **70%**.
- Enhanced the user experience by simplifying data entry flows with **React** and **Tailwind CSS**, reducing friction by **35%**.
- Participated fully in Agile sprints, helping the team stay organized and deliver core features **2 weeks ahead of schedule**.

PROJECTS

Ft_Transcendence

Ben Guerir

Team Member

March 2024

- **Led backend development** using **NestJS** and **Prisma with PostgreSQL**, implementing secure authentication, real-time matchmaking, and game logic APIs while optimizing queries to reduce response time by **30%** across key endpoints.
- **Collaborated with a frontend team** to align API design and ensure a smooth player experience across login, leaderboard, and in-game events.

Inception

Ben Guerir

Team Lead

January 2024

- **Containerized multiple services** using **Docker Compose**, including **Nginx**, **WordPress**, **MariaDB**, and **Redis**, ensuring modular and isolated deployment.
- **Automated infrastructure deployment** using shell scripts and Makefiles, cutting setup time by **60%**.

WebServ

Ben Guerir

Team Member

January 2024

- **Co-developed a fully functional HTTP/1.1 web server** in **C++**, capable of handling **GET**, **POST**, and **DELETE** requests.
- **Implemented support for CGI**, chunked transfer encoding, and connection persistence, ensuring compliance with real-world web standards.

SKILLS

Programming: TypeScript, JavaScript, Python, SQL, HTML/CSS, C++, C, Bash

Frameworks & Libraries: NestJS, Django, React.js, Next.js, Tailwind CSS, Prisma

DevOps & Tools: Docker, Docker Compose, Git/GitHub, Nginx, PostgreSQL, Make, Shell scripting

Concepts & Practices: REST APIs, WebSockets, Agile Development, Authentication & Authorization, System Design, Real-time Systems

Soft Skills: Problem-solving, Team collaboration, Communication, Adaptability, Self-learning, Time management

Languages: English (fluent), Arabic (native), French (intermediate)

Other: Linux (Arch, Ubuntu), VS Code, Postman