

Mouna Elyaacoubi

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Skills

Frontend Development

React.js, Next.js, shadcn/ui, HTML5/CSS3 (custom + Tailwind CSS), Responsive design, Accessibility

Backend Development

Node.js, Express.js, Fastify, RESTful APIs, OAuth2/JWT, Microservices, Modular architecture

Programming Languages

C, C++, Python, JavaScript (ES6+), TypeScript, Bash

Database Management

MySQL, SQLite, Prisma ORM

Cloud & DevOps

Docker, Linux/Ubuntu (containerization, server setup)

Other

Data Structures, Algorithms, Networking Basics, Git/GitHub, Agile

Education

1337 (42 Network)

Ben Guerir, Morocco

Computer Science Program

ALX

Online

Software Engineering Program

Odessa I.I. Mechnikov National University

Odessa, Ukraine

Pharmacy

Ibn Tofail - Baccalaureate

Physical Sciences - High Honors

Experience

NetServe – Lightweight HTTP Server

Implemented a custom HTTP server in C++ supporting GET, POST, and DELETE methods, static file delivery, and CGI execution. Managed efficient request handling and dynamic server configuration inspired by Nginx. Strengthened practical understanding of web protocols, server logic, and backend architecture.

PhotonTrace – Graphics Engine

Created a simple ray tracer in C that renders 3D scenes with objects like spheres, planes, and cylinders using basic lighting and shading techniques. Parsed scene files, managed camera and light settings, and displayed graphics using MiniLibX. This project strengthened my understanding of computer graphics, mathematical algorithms, and low-level programming.

Pongify – Full-Stack Web Application

Collaborated on building a full-stack multiplayer Pong web application. Led development of backend features, including secure user authentication, and contributed to the frontend by implementing and polishing the final pages. Gained experience in designing APIs, managing authentication flows, and delivering user-facing features to complete the project successfully.

Freelance Showcase Websites

Designed and built modern showcase websites for clients using TypeScript, JavaScript, and CSS with React and shadcn/ui. Managed end-to-end development: from responsive UI implementation and interactive components to deploying production-ready sites. Focused on clean design, accessibility, and scalable frontend architecture to deliver polished, professional web solutions tailored to client needs.

Languages

- English
- French
- Arabic
- Russian