

# Ayoub Jemraoui

## Full-Stack Software Developer

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### 🎓 Education

#### 1337 Coding School [🔗](#)

1337 is a coding school where learning is based on peer-to-peer interaction, and advancement to the next level is achieved by validating projects.

- **Skills** : Web, Network & system administration, Graphics, imperative programming, algorithm & AI, unix, rigor, OOP.

11/2021 – present  
Ben Guerir, Morocco

### 📁 Projects

#### Go Trip [🔗](#)

- develop a RESTful API using Express.js
- Handle user authentication and authorization using JWT to secure routes.
- Use Nodemailer to send an email to the user if they need to reset or have forgotten their password.
- Utilize MongoDB as a database to securely store both user data and trip data.

04/2024 – present

#### Online Pong Game [🔗](#)

- I developed a real-time web pong game using NestJS as a backend framework, leveraging the gateway for seamless client connection and disconnection handling.
- Create a matching mechanism using rooms in socket.io to pair players in private rooms.
- Utilize ReactJS with TypeScript on the client-side to manage client states and incorporate the p5.js library for rendering the game user interface.

01/2024 – 03/2024

#### HTTP WebServer [🔗](#)

- I built a lightweight web server in C++ using network system calls to establish a TCP connection with clients.
- Using multiplexing techniques to handle and manage client requests.
- Process the client's request in order to send the corresponding HTTP response to the client.

04/2023 – 06/2023

### 🧠 Skills

C/C++ • JavaScript/TypeScript • Docker • Mongodb • ExpressJs • NestJs • NodeJs • Socket-Io • Git • Rest APIs • ReactJs

### 🌐 Languages

- Arabic - English - French