Marouane Addou

 $Software\ Developer\ --\ Python\ Full\ Stack$

 $Email:\ marouane addou@hotmail.com-Phone:\ +212\ 696782838-Linked In:\ marouane addou-Git Hub:\ marouane addou-Git Hub:$

 $Leet Code:\ maddou\ -\ Code forces:\ marwanaddou 123\ -\ Portfolio:\ maddou\ -portfolio.vercel.app$

ABOUT ME

Passionate about software engineering and deeply interested in understanding how systems work at a fundamental level. I enjoy working with modern technologies and solving coding challenges to enhance my problem-solving skills and grow as a developer

TECHNICAL & SOFT SKILLS

- Backend Frameworks / Libraries: Django, Django REST Framework (DRF), Express, Hono, Zod
- Frontend: HTML, CSS, Tailwind CSS
- Languages: Python, JavaScript, TypeScript, C, C++ 98
- Databases: PostgreSQL, Redis, Prisma ORM
- Tools: Git, Docker, Linux (Notions de base), Postman
- Soft Skills: Teamwork ,debugging, problem-solving, adaptability, and quick learning of new technologies

EXPERIENCE

Escodeve digital Factory

- Intern Backend Developer
 - o Development of two back-end applications in Node.js with TypeScript, using the Hono and Express.js frameworks.
 - Data modeling and access management with PostgreSQL and Prisma ORM
 - o Deployment of applications on Cloudflare Workers for fast and scalable execution
 - Writing technical documentation with Swagger (OpenAPI).

Projects

- Multiplayer Pong Game Rôle: Full Stack Developer
 - Developed the server-side logic for a multiplayer Pong game using **Python (Django)** and **WebSockets** to enable real-time communication between players
 - o Implemented a matchmaking system to dynamically pair users.
 - Used Redis to manage game sessions and synchronize player states efficiently.
 - o Created the client-side interface in JavaScript to handle player actions, game rendering, and server communication.
- - Developed the back-end application for gym access control, integrating software applications and ZKT hardware controllers.
 - Key functionalities included user account management, membership payment processing, and activity logging.
- Back-End Development for Project Management Application Role: Back-End Developer
 - Developed the back-end of a project management application with features for task assignment, team management, and daily work logs.
 - \circ Implemented JWT authentication with role-based access control for secure user access.
 - $\circ~$ Deployed the application on Cloudflare Workers for high scalability and performance.
- Web Server Rôle: Back-End Developer
 - \circ Built a custom web server from scratch with a team using C++98.
 - Supported HTTP/1.1 methods GET, POST, and DELETE.
 - Implemented non-blocking multiplexing to handle multiple simultaneous client connections efficiently.
 - Designed and parsed HTTP/1.1 requests to serve static pages and dynamic content via CGI.
 - Effectively managed HTTP error handling and custom error pages.

FORMATION