# Merouane Grissen

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**LINKS**        [Github](), [LinkedIn]()

## PROFILE

Talented and proactive Software Developer with a strong foundation in software engineering and full-stack development. Adept at delivering complete front-end applications with high performance on mobile and desktop. Excellent technical abilities paired with professional communication skills, and a good head for business. Collaborative nature with a proven track record in developing and maintaining functionality, maps, and configurations for market-leading platforms.

## EDUCATION

**1337 Coding School (42 Network)**        **Khouribga, Morocco**        *Software Engineering*

- *Completed the common core program with distinction*

## TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, HTML5, CSS3, Python, C, C++
- **Frameworks & Libraries:** React, Next.js, AngularJS, Nest.js
- **Back-end Technologies:** Node.js, Express.js, Docker
- **Databases:** MongoDB, MariaDB, MySQL, PostgreSQL
- **Tools & Platforms:** Git, Docker, Linux, Bash

## PROJECTS

**Real-time Online Pong Tournament Website : [Source Code]()**

- Implemented using Nest.js, React, Next.js, and PostgreSQL.
- Features: Real-time gameplay, chat, group chat modes, friend status, guilds, and ranking system.
- Demonstrates proficiency in full-stack development and real-time application design.

**Inception : [Source Code]()**

- Built a system using WordPress with LEMP Stack (Nginx, MariaDB, and PHP).
- Utilized Docker and Docker-Compose for deployment.
- Gained hands-on experience in system administration using containerization.

**WebServ : [Source Code]()**

- Developed a high-performance HTTP server using C++ and Unix sockets. The server efficiently handled requests and responses utilizing Unix sockets and the `kqueue()` system call. I was responsible for implementing the networking system and I/O multiplexing, enabling the server to manage multiple clients within a single thread. Contributed to the project's success through effective communication and teamwork.

**Matcha : [Source Code](Source Code)**

- Developed a comprehensive dating web app emulating modern matchmaking sites, Matcha allows users to register, log in, complete profiles, browse and search for potential matches, and chat in real-time. The app includes mandatory features like email verification, profile creation with up to 5 photos, viewing and liking other profiles, advanced search filters, and notifications for profile views, likes, and messages. Profiles display various information, except for emails and passwords, and feature public "fame ratings" and GPS-based location. Users can block or report others, ensuring security and privacy. Implemented with a focus on error-free operation, responsive design, and robust security measures, with potential bonuses like social media authentication, interactive user maps, and video or audio chat integration.

## LANGUAGES
Arabic
French
English