

# Mountassir JERRARI

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## PROFILE

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**Student in Software Engineering and Distributed Computer Systems at ENSET Mohammedia**, Highly motivated to develop my skills and grow professionally. Confident in my ability to learn and propose creative ideas.

## EDUCATION

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**L'Ecole Normale Supérieure de l'Enseignement Technique de Mohammedia (ENSET)** *2023 – Present*  
*Engineering degree in Software Engineering and Distributed Computer Systems* Mohammedia, Morocco

**Ecole Supérieure de Technologie** *2021 – 2023*  
*Diplôme Universitaire de Technologie (DUT), Computer Engineering, Software Engineering option* Fès, Morocco

## EXPERIENCE

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**Web Developer | Internship** *July 2022 (4 weeks)*  
*WEM* Casablanca, Morocco

- Design and development of an e-commerce website using Laravel, integrating product management, order management, and secure payment systems.

**Web Developer | Internship** *April 2023 - June 2023 (8 weeks)*  
*MOENN Technologies* Casablanca, Morocco

- Implementation of the FIDO2 passwordless authentication standard with CTAP and WebAuthn, improving connection security and reducing password-related risks.
- Development of a recipe management web application using Next.js for the frontend and NestJS for the backend, providing a smooth and responsive user experience.

## PROJECTS

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### Tetris Game

- Development of a Tetris-style game in C++ with SDL, implementing optimized data structures for game mechanics.

### Collaborative Text Editor

- Design of a real-time collaborative text editor using **CRDTs** and the **YJS** library for conflict management.
- Development with **Next.js** and **Quill.js** for an interactive user interface and WebRTC for real-time communication between clients.

### Basic IoC Container

- Development of a dependency injection container in **Java**, enabling annotation-based injection and automatic component scanning.

### Snaterj - Front-End Framework

- Creation of a front-end framework named **Snaterj**, based on a JSX-like syntax called **SSX**, specifically designed for this framework.
- Development of an **SSX compiler** transforming SSX code into optimized instructions for the Snaterj rendering engine.

## KNOWLEDGE AND SKILLS

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- **WEB DEVELOPMENT:** AngularJS, React.js, Spring Framework, Next.js, Tailwind CSS, Node.js, NestJS, Express.js, Laravel, Bootstrap
- **DEVOPS:** Docker, Ansible, GitHub
- **Programming Languages:** JEE, JavaScript, TypeScript, C++

## CERTIFICATES

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- **CCNAv7: Introduction to Networks** Cisco Networking Academy
- **Networking Essentials** Cisco Networking Academy
- **Red Hat System Administration II (RH134 - RHA)** Red Hat Academy