

# Abdelmoughit Echcharbiny

## Software Engineer

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Software Engineer with a focus on Full Stack Development and DevOps. Experienced in building real-time web applications using WebSockets, containerizing applications with Docker, and implementing scalable deployment workflows. Strong interest in system reliability and modern web technologies.

### PROJECTS & EXPERIENCE

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#### Webserver

feb 2025

- Implemented a custom **HTTP/1.1** web server in C++, following RFC standards
- Parsed and handled **HTTP** requests (methods, headers, body, query parameters)
- Built and formatted **HTTP** responses, including status codes, headers, and content delivery
- Implemented support for **GET**, **POST**, and **DELETE** methods
- Gained a strong understanding of **client-server architecture**, **networking**, and web **protocols**

#### INCEPTION

jan 2025

- Designed and deployed containerized multi-service applications using Docker and Docker Compose
- Built isolated development environments with NGINX, WordPress, and MariaDB containers
- Configured Docker networks, volumes, and environment variables to ensure persistent and secure communication between services
- Applied DevOps best practices for reproducible builds, scalability, and simplified deployment

#### FT\_TRANSCEBDENCE— Chat, Notifications & DevOps

Dec 2025

- Implemented real-time messaging and notifications using WebSockets for seamless live communication
- Integrated Grafana dashboards for DevOps monitoring, enabling performance tracking and service observability
- Built an advanced real-time chat system using WebSockets, featuring presence detection, typing indicators, online/offline status tracking, and last-seen timestamps.

### EDUCATION

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#### Université Cadi Ayyad

Marrakech

- *Bachelor level Economics Studies (Incomplete)*

2022-2023

#### 1337

Khouribga

- *Software Engineering Program*

2023-present

### FAMILIAR TECHNOLOGIES & LANGUAGES

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C/C++, Javascript, React.js, Express.js, Next.js, Tailwind, Fastify.js, Mysql, Sqlite, Docker, Docker-compose, Zustand, WebSockets, AWS, GCP