Amine Habchi

| *Full Stack Developer*

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About Me

Junior full-stack developer eager to launch a career in web development. Completed Zone01 Oujda's intensive program, gaining essential skills in modern technologies and collaborative workflows through peer-to-peer projects and hackathons. Built a strong foundation creating complete applications—from intuitive user interfaces to robust backend systems. Ready to contribute technical skills and problem-solving abilities to dynamic teams.

Education

Baccalauréat in Mathematics   06-2019
Zone01 Oujda – Fullstack Developer Program   04-2024 – Present

Experience

2019 – 2024   Family Business – Sales &
                                                                           Customer Service

- Managed sales and customer service operations, ensuring client satisfaction.
- Handled inventory, product management, and daily bookkeeping.

Projects

Low-Level Systems

LocalServer A custom HTTP/1.1-compliant web server built in Java, capable of serving static content, handling GET/POST/DELETE requests, managing sessions, cookies, and file uploads using non-blocking I/O. It supports configurable routes, error pages, CGI execution, and stress-tested high-availability performance, providing hands-on learning in server design and asynchronous network programming.
Tools: Java, HTTP 1.1

FS A learning project implementing a simple filesystem in Rust, demonstrating low-level concepts like superblocks, inodes, block allocation, and file CRUD operations. It provides hands-on understanding of how filesystems manage data and metadata programmatically.
Tools: Rust, FileSystem

Mini-framework A lightweight front-end framework that enables building component-based, stateful single-page applications with a virtual DOM and client-side routing, using a diffing algorithm like React for efficient updates. It provides lifecycle methods, state management, and smooth, dynamic UI rendering.
Tools: JavaScript, DOM, Algorithms

0-shell A minimalist Unix-like shell built in Rust, featuring a smart Git-aware prompt, colored output, syntax highlighting, and modern shell aesthetics. It supports a set of built-in commands (like echo, cd, ls, pwd, cat, cp, rm, mv, mkdir, clear, exit) with enhanced features such as smart path navigation, recursive operations, and progress indicators.
Tools: Rust, Unix, Shell

Full-Stack Applications

01Blog A full-featured blogging platform where users can create, read, update, and delete posts, manage profiles, follow/unfollow others, and receive real-time notifications. It supports nested comments, likes, rich text editing, reporting,

an admin dashboard, and real-time chat, with search by categories or keywords.
Tools: Java, TypeScript, Angular, JWT, PostgreSQL, WebSocket, Flyway

Ideathon A collaborative platform where users can host and participate in idea challenges to gather feedback, explore alternatives, and spark innovation. It enables idea discovery, submission management, and recognition, making brainstorming fast, structured, and rewarding.
Tools: Go, Next.js, SQLite, Sessions

Bomberman-dom A real-time multiplayer Bomberman game where 2–4 players battle in rooms, collect power-ups, and compete to be the last one standing. It features responsive design, smooth gameplay, and synchronized game state for all players.
Tools: JavaScript, Node.js, Socket.io

Interactive Tools

CollaboBoard A real-time collaborative whiteboard where the user running the server can draw, and all other connected clients see the updates instantly. It supports multiple drawing tools, including freehand, shapes, and lines, and allows clearing the canvas for everyone.
Tools: Rust, TCP, Macroquad

Jrafic A traffic intersection simulator that models realistic car movement, collision detection, and traffic light control using intelligent priority-based algorithms. It allows interactive car spawning, multi-lane support, and visualizes traffic flow with dynamic lights and right-of-way rules.
Tools: Java, JavaFX, Algorithms

SeniorifyUI A tool originally developed during a Figma hackathon to empower designers and developers to work more efficiently and create better user experiences.
Tools: React, AI, Hackathon

Technologies

Front-end	React.js, Next.js, Angular, JavaScript, Tailwind CSS, HTML5, CSS3
Back-end	Go, Rust, Java, Node.js, REST API, GraphQL, WebSocket
Database	PostgreSQL, SQLite, Migrations
Tools	Git & GitHub, Docker, Unix

Interests

- Active member of the Competitive Programming Club at Zone01 Oujda: ranked in the top 3 of Zone01 three times.
- Passionate about algorithms, data structures, and solving complex problems.
- Solved over 500 exercises on LeetCode to deepen programming skills.
- Participate in collaborative projects, hackathons, and workshops to develop skills and connect with other enthusiasts. Also contribute to open-source projects to share expertise and enrich practical experience.

Languages

Arabic	Native
English	Intermediate
French	Intermediate