

AMMAR EL-WARDANI

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PROFILE

Full-Stack Software Engineer with a strong specialization in frontend development (React, TypeScript) and building scalable, real-time web applications. Proven track record of optimizing enterprise-level platforms, delivering seamless UI/UX, and successfully integrating cross-platform features. Adept at leveraging modern state management tools (Jotai, Context API) and backend technologies (Node.js, Elixir) to build highly performant, production-ready solutions alongside modern AI tools like OpenAI.

SKILLS

Frontend : ReactJS, TypeScript, JavaScript, VueJs, Angular, Material UI, Ant Design, Tamagui, Context API, Jotai

Backend : NodeJS, Express, Laravel (PHP), Elixir (Phoenix), MERN Stack, RESTful APIs

Databases & Cloud : MongoDB, PostgreSQL, MySQL, AWS Amplify

Tools : Git, Docker, Socket.io, WebRTC, OpenAI, Agile Methodologies

LANGUAGES

Arabic (Native)

English (Fluent)

French (Fluent)

EXPERIENCE

oVice, Inc.

March 2024 – Present

Software Engineer

Remote

- **Spearheaded the integration of an AI chatbot** utilizing the OpenAI Responses API, enabling automated client support and seamless handoffs to live agents across a virtual workspace platform serving 4,000+ enterprise clients.
- **Engineered a comprehensive meeting log feature** applicable in both OpenSpace and Room environments, successfully tracking daily participant join, leave, and chat activities.
- **Integrated a real-time co-editor window** and developed a secure playback system, providing 100,000+ active users with reliable access to recorded meeting data.
- **Led the redesign of the core Virtual Meeting Room (VMR)**, driving a 30% increase in daily VMR adoption and improving real-time collaboration experiences for end users.
- **Improved frontend performance and UX** through optimistic UI patterns and targeted render optimizations with React and Jotai, reducing interaction latency by 25%.
- **Worked closely with designers, backend engineers, and QA teams** to deliver stable, production-ready features under tight deadlines.
- **Tech Stack:** React, TypeScript, Context API, Jotai, Material UI, Tamagui, Elixir Channels, OpenAI API, AWS Amplify

Brainstack

March 2023 – March 2024

Software Engineer

Sousse, Tunisia

- **Optimized critical frontend components** for the EFA (Electronic Journey Planner) using ReactJS and Ant Design, contributing to an enterprise system that processes over 10 billion routing requests annually.
- **Collaborated with cross-functional teams at MENTZ** to architect user-friendly transit interfaces, supporting complex public transport networks across 80 user regions on 4 continents.
- **Implemented internationalization (i18n) using i18next** to scale the platform globally, and resolved performance bottlenecks to ensure high availability for millions of daily commuters.
- **Managed sprint cycles efficiently** utilizing Agile methodologies, consistently delivering feature updates for real-time public and on-demand transport routing integrations.
- **Tech Stack:** ReactJS, Ant Design, React Leaflet, i18next, Agile Methodologies

Gomycode

June 2023 – March 2024

Web Instructor

Sousse, Tunisia

- **Mentored and guided a cohort of 50+ aspiring web developers**, achieving a 95% graduation and successful project completion rate.
- **Crafted transformative learning experiences** and technical curriculum, boosting students' practical problem-solving speeds by an estimated 80%.
- **Tech Stack:** HTML, CSS, JavaScript, ReactJS, NodeJs

Fantka Live

July 2022 – Feb. 2023

Software Engineer

Sousse, Tunisia

- **Engineered scalable backend features** for a live broadcasting mobile app using NodeJS, MongoDB, and Socket.io, supporting concurrent streaming for 500+ users with minimal latency.
- **Developed responsive admin and agency dashboards** in ReactJs, streamlining platform operations and cutting administrative task times by 85%.
- **Debugged and optimized the MERN stack codebase**, successfully resolving 100+ critical bugs and translating complex business requirements into robust tech solutions.
- **Tech Stack:** MERN Stack, NodeJS, MongoDB, Socket.io, ReactJs

Satoripop

March 2021 – Sept. 2021

Web Developer Intern

Sousse, Tunisia

- **Engineered an adaptive bitrate video streaming platform** (End-of-Studies Project) using Laravel, VueJs, and FFmpeg, ensuring global content delivery through robust support for RTMP, HLS, DASH, and RTSP protocols.
- **Architected a secure employee management dashboard** utilizing VueJs and Bootstrap, designing optimized Laravel API frameworks that reduced internal manual HR processing times by 30%.
- **Built a dynamic, production-ready e-commerce bookstore** using PHP and MySQL, delivering an end-to-end checkout pipeline that successfully supported online catalogs of over 500+ products.
- **Tech Stack:** Laravel, PHP, MySQL, VueJs, FFmpeg, HLS, DASH, Bootstrap

PROJECTS

Internships Platform | *Laravel, Angular*

- **Developed a dedicated platform** to centralize the internship search process, matching 200+ students with relevant roles across multiple domains.
- **Implemented employer portals** to streamline project postings and requirement specifications, increasing platform adoption by 20%.

Biblioscreen | *NodeJs, Vuetify*

- **Built a comprehensive web application** enabling users to accurately track reading progress across 1,000+ books, manga, and novels.
- **Integrated real-time discussion features**, boosting daily active user engagement by 15% through community interaction.

EDUCATION

Bachelor degree in Software Engineering

Sept. 2017 – Oct. 2021

Higher Institute of Applied Sciences And Technology of Sousse

Sousse, Tunisia