Marwen Jaballah

Full Stack and Game Developer / Software Engineer

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Profile

Software Engineer with experience in designing and developing engaging experiences and web applications. Proficient in Unity, AR technologies, and location-based game mechanics, with a strong background in both frontend and backend development. Adept at collaboration, problem-solving, and delivering innovative solutions in a team-oriented environment. Passionate about creating seamless and immersive experiences.

Education

Computer Science Engineering *Polytechnic School Of Engineering* **Sousse , Tunisia** *2019-2024*
Relevant Courses: Game Development, Web Development, Tools and Technologies, Software Architecture, Database Systems, UI/UX Design.

Baccalaureate *DarLamen High School* **Kairouan , Tunisia** *2017*

Areas of Expertise

Game Development - Full Stack Web Development - AR Technologies - Team Collaboration - Code Optimization - Project Management - Team Collaboration

Experience

Unity Developer (Freelancer) *DM NOVA* **Sousse, Tunisia** *7/2024 - Present*

- Leading the development of "Défouli," an innovative location-based game designed to encourage users to explore new places and engage in outdoor activities. Players form teams and compete to discover hidden spots, interacting with real-world environments.
- Designed and implemented gameplay mechanics that integrate **MapBox** and **AR Foundation**, providing players with immersive, augmented reality experiences based on their geographic location.
- Collaborated with backend developers to ensure seamless communication between the game's server and client using **Node.js** and **TypeScript**, enabling real-time updates and interactions between players.
- **Tools & Technologies:** Unity, MapBox SDK, AR Foundation, Node.js, TypeScript, Git.

Unity Developer Intern *DM NOVA* **Sousse, Tunisia** *2/2024 - 5/2024*

- Contributed to the development of "GeoQuest," an educational, location-based AR game that uses real-world exploration to teach users geography and history through interactive challenges and augmented reality.
- Integrated **MapBox** and **AR Foundation** to provide a seamless geolocation-based experience, enabling players to interact with AR elements linked to specific locations.
- Implemented backend services using **Azure PlayFab** to manage player data, leaderboards, and real-time game updates.
- **Tools & Technologies:** Unity, MapBox SDK, AR Foundation, Azure PlayFab, Git.

ReactJs Developer *Freelancer* **Sousse, Tunisia** *2024*

- Built a modern, interactive portfolio for **Cravimoor**, a 3D modeling startup, with a focus on clean design, fast load times, and user engagement.
- Implemented optimized animations and page transitions using **ReactJS** and **TailwindCSS** to enhance the user experience, making the site both functional and visually engaging.
- Collaborated closely with the client to align the portfolio with their brand and business objectives.
- **Tools & Technologies:** ReactJS, TailwindCSS, Git, Figma.

ReactJS Developer *Spicy Harissa* **Sousse, Tunisia** *2023*

- Led the design and development of a responsive and visually appealing portfolio website for Spicy Harissa, showcasing the studio's game development projects and services.
- Integrated reusable components and optimized the site's loading performance, ensuring it was mobile-friendly and accessible across devices.
- **Tools & Technologies:** ReactJS, TailwindCSS, Git, Vercel.

Stock & Bills Web App   **Polytechnic School, Sousse** *2023*

- Developed a full-stack application to manage stock and client inventory, optimizing user interaction through a responsive frontend.

- Collaborated closely with the UI/UX team to integrate client feedback into the app's design.

- **Tools & Technologies:** ReactJS, NodeJS, MongoDB, ExpressJS, Docker.

Skills

- **Programming Languages:** JavaScript, C#, Python, Java, php,

- **Game Development:** Unity, AR Foundation, MapBox SDK, Photon Fusion

- **Frontend Development:** ReactJS / NextJS, HTML, CSS, JavaScript, Vue.js

- **Backend Development:** NodeJS, ExpressJS, RESTful APIs

- **Database Management:** MongoDB, Cassandra, PostgreSQL, phpMyAdmin

- **Tools:** Docker, Git, Kubernetes (K8s)

- **Collaboration:** Code reviews, Teamwork, Agile methodologies

Languages

- **Arabic** [Native]   - **French** [Basic]

- **English** [Intermediate]