

# WARD KHADDOUR

## Full-Stack JavaScript Developer

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## SUMMARY

Full-Stack developer with about 2 years of experience in full-stack web development. Proficient in TypeScript, React, Node.js, Express, PostgreSQL, and other modern technologies. Skilled in object-oriented programming, design principles and design patterns, algorithms, and data structures. Currently learning system design and software architecture.

## SKILLS

**Programming languages:** JavaScript, TypeScript, C++.

**Front-End development:** Next.js, React, React Router, React Query and Redux.

**Back-End development:** Node.js, Express.js, Nest.js, MongoDB, Mongoose, PostgreSQL and TypeORM.

**APIs:** RESTful API and GraphQL.

**Real Time:** Websockets, Socket.io and WebRTC.

**Version Control:** Git.

**Development Practices:** Object-Oriented Programming (OOP), Object Oriented Design (OOD), Design Patterns, Clean Architecture, Algorithms and Data Structures.

## WORK EXPERIENCE

**Code Horizon** | Latakia, Syria | On-site | November 2023 - Present

### Front-End developer

- Develop and enhance features for a freelancing platform, focusing on both the user application and the admin dashboard.
- Collaborate in developing a ride-hailing system with real-time tracking, and interactive maps for booking rides, collaborated in building customer web application, and admins dashboard.
- Build a medical center management dashboard, optimizing user interface components for efficiency and ease of use.
- Developed a movie website, implementing smooth user experiences and responsive design.
- Mentored and provided hands-on guidance to three interns, helping them develop their technical skills and integrate into the development process.
- Provide valuable suggestions for workflow enhancements, code structure improvements, and technology utilization.
- Actively participate in daily meetings, ensuring effective communication and collaboration with the team.

**TasQment** | Latakia, Syria | On-site | December 2021 - April 2022

### Front-End developer

- Contributed to an Agile project management system which includes Kanban and Scrum methodologies.
- Contributed to a course platform sub-system, collaborating closely with UI/UX designers to ensure a responsive and user-friendly web application.
- Implemented front-end functionalities and successfully integrated them with back-end APIs.
- Actively participated in daily scrum meetings, fostering team collaboration and alignment with project goals.
- Recognized as "Employee of the Month" for outstanding contributions to the team and project success.

**TasQment** | Latakia, Syria | On-site | March 2021 - November 2021

### Front-End intern

- As an intern at TasQment, I embarked on a journey of skill development in web development.
- Commenced my journey in web development by gaining practical experience in HTML, CSS, and JavaScript.
- Acquired foundational skills and knowledge under the guidance of experienced professionals, contributing to early-stage projects.

## PROJECTS

### Flatlane

September 2024 | Code Horizon | <https://flatlane.com>

Comprehensive ride-hailing platform for seamless ride booking, real-time status tracking, and service management.

Built a customer-facing web application featuring:

- Real-time trip status updates.
- Easy ride booking functionality.
- Secure in-app real-time chat for communication between drivers and customers.
- A user-friendly interface designed for clarity, usability, and responsiveness.
- Rating system for drivers based on customer feedback.
- Integrated Stripe for secure payment processing, ensuring safe transactions during the booking process.
- Implemented modern technologies and design patterns such as Adapter and Observer for improved modularity and adaptability.

Created an admin dashboard with advanced features for:

- Monitoring and managing trips, drivers, and customer profiles.
- Providing tools to ensure smooth operation of the ride-hailing service.

Achievements:

- Achieved high performance on data loading, leading to a positive user experience.
- Delivered an intuitive and easy-to-use interface that enhanced user engagement and satisfaction for both customers and administrators.

### Syrianlancer

January 2024 | Code Horizon | <https://syrianlancer.sy>

Freelancing platform connecting service seekers with freelancers, providing an accessible way to find and offer a variety of services.

- Freelancers can create detailed service offerings, including an overview, pricing, detailed descriptions, FAQs, and media attachments.
- Comprehensive profiles displaying services offered, skills, education, portfolios, and customer reviews.
- Allow users to easily find desired services using a variety of search criteria and filtering options.
- Implemented a rating system based on customer feedback to ensure service quality and build freelancer credibility.
- Integrated a secure payment gateway and delivery system to protect both parties during transactions.
- Facilitated communication between customers and freelancers through an in-app real-time chat feature.

Admin Dashboard:

- Allows administrators to manage service listings, user profiles, payments, and transactions.
- Provides tools to monitor user activity, resolve disputes, and handle user reports effectively.
- Displays insights and metrics related to user engagement, transactions, and platform growth.

## Weaning

January 2024 | Code Horizon | <https://weaningfilm.com/>

Developed a website for the movie "Weaning" that provides comprehensive information, including:

- An overview of the director, cast, and overview about the movie.
- Showtimes and screening information.
- Content management dashboard for updating website content, allowing seamless management of director details, cast information, and showtimes.
- Designed with a user-friendly interface, ensuring an engaging experience for visitors.

## EduLive

August 2024 | Tishreen University | Graduation Project

Developed an online courses platform featuring:

- Live Classroom: Enables real-time interaction between instructors and students using WebRTC for peer-to-peer connections.
- Recorded Video Streaming: Allows students to access recorded courses through adaptive streaming protocols.

Utilized technologies and frameworks including:

- **WebRTC**: For establishing peer-to-peer connections in the live classroom environment.
- **Nest.js**: As the backend framework for building scalable server-side applications.
- **Socket.io**: Implemented as a signaling server for real-time communication in the live classroom.
- **HLS and DASH**: Employed for adaptive video streaming, ensuring a smooth viewing experience across various devices and network conditions.
- **GraphQL APIs**: Facilitated efficient interactions between the client and server, allowing for flexible data querying.
- **PostgreSQL**: Used as the database to store and manage user data, course information, and session records.
- **React.js**: Built the user interface for an engaging and responsive user experience.

Achievements:

- Gained in-depth knowledge of WebRTC, streaming protocols, and GraphQL APIs during project development.
- Earned 96% for it as a graduation project.

## React Intersection Observer Kit

November 2023 | [github.com/WardKhaddour/react-intersection-observer-kit](https://github.com/WardKhaddour/react-intersection-observer-kit) | [npmjs.com/package/react-intersection-observer-kit](https://npmjs.com/package/react-intersection-observer-kit)

- React library for using Intersection Observer API in a React-friendly way
- Contains hooks to determine if an element entered the viewport or not, and to tell what elements are currently in the viewport.
- Detects if an element has entered or left the viewport.
- Track which elements are currently in the viewport in real time.
- Execute customizable callbacks when an element enters or exits the viewport.
- Customize the Intersection Observer API options.
- Implement your custom conditions to determine element visibility.
- Optimized performance with minimal re-renders, components render only when necessary.
- Crafted with TypeScript, ensuring type safety.
- Small in size, and does not need any extra dependencies.
- **Achievements**: Built and published my first npm package, and learned more about npm, and GitHub actions.

## University Files Manager

June 2023 - August 2023 | [github.com/WardKhaddour/Files-Manager](https://github.com/WardKhaddour/Files-Manager) | [university-files-manager.vercel.app/](https://university-files-manager.vercel.app/)

- Application for managing files (lectures, advertisements, projects ...etc) for universities
- Private storage for each user.
- Students can access lectures and advertisements, and upload their projects for teachers to view.
- Teachers can upload, update, and delete lectures and view student projects.
- Each user gets a 2GB storage limit for their files, and each file is private to its owner.
- Front end Built with: React.js, Redux Toolkit, RTK Query, React Router, CSS.
- API built with: Node.js, Express.js, MongoDB, and Mongoose following an OOP approach with modules, layers, dependency injection for communication between layers, and event bus for communication between modules.
- **Achievements**: Worked with files in node.js and improved system design.

## EDUCATION

### **Bachelor's degree in Software Engineering**

Tishreen University | Latakia, Syria | September 2019 - Present

- Completed a comprehensive curriculum focused on software engineering principles, design patterns, object-oriented programming, databases, algorithms, and data structures
- Actively participated in extracurricular activities, including the Tishreen Collegiate Programming Contest (TCPC), where I honed my problem-solving skills and collaborated effectively in a team environment.
- Engaged in coursework that emphasized software design, system analysis, and project management, preparing me to tackle real-world development challenges.
- Regularly updated my skills and knowledge by attending workshops, seminars, and online courses related to emerging technologies and industry best practices.

## LANGUAGES

- **Arabic:** Native Speaker.
- **English:** Professional working proficiency

## REFERENCES

Available upon request.