

Mehdi Azar: Web Developer

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Career Summary

Innovative full-stack developer with extensive experience in building responsive and scalable web applications across diverse technology stacks. Proficient in advanced **JavaScript** frameworks and technologies, including **React**, **TypeScript**, and **Node.js**, with a solid background in both **MERN** and **PERN** stacks. Recent projects have demonstrated a strong capability in utilizing **C#**, **ASP.NET**, and **ReactNative** for comprehensive backend-to-frontend integration. Highly skilled in managing and optimizing databases using **Entity Framework**, **PostgreSQL**, and other **ORMs** like **Prisma** and **Sequelize**. Expert in creating intuitive user interfaces and seamless user experiences using **ReactJS**, **MUI**, and **Tailwind CSS**. Proven track record in leading development teams through rapid development cycles and implementing **CI/CD pipelines** for streamlined deployment and testing processes. Committed to leveraging the latest advancements in **AI/ML** tools and **DevOps** practices to enhance application performance and user engagement.

Technical Skills

- **Frontend:** HTML5, CSS3, JavaScript, TypeScript, React, React Router, MUI, TailwindCSS, Bootstrap, SASS
- **Backend:** Node.js, Express.js, C#, ASP.NET, Entity Framework, PostgreSQL, MongoDB, AWS, Prisma, Sequelize, Mongoose
- **DevOps/Tools:** Git, GitHub, Docker, AWS, CI/CD Pipelines, Webpack, Firebase, Cypress
- **AI/ML Tools:** LangChain, GitHub Copilot

Work Experience

TTP - Full-Stack Developer 09/2024 - 03/2025 Rancho Santa Margarita, CA

- Spearheaded the rapid clearance of development backlog, addressing all outstanding issues within the first month of tenure.
- Engineered a series of innovative features, including:
 - **Mobile-responsive Map Search:** Developed adaptive mapping functionalities for mobile environments using ReactNative.

- **Enhanced Authentication System:** Implemented custom login enhancements such as tailored messages and notifications for new users.
- **Interactive Bed Reservation System:** Created a drag-and-drop interface for bed reservation and swapping, enhancing user interactivity.
- **Onboarding Tutorial:** Developed an interactive training tutorial utilizing the Joyride library to guide users through application functionalities.
- **Insurance Selection Interface:** Designed a dropdown menu for insurance selection, saving user preferences and reflecting choices dynamically on user profiles.
- Led the design and implementation of more than a dozen UI improvements utilizing MUI, Tailwind CSS, and advanced ReactJS techniques.
- Contributed to backend development, including API design and database management using C#, Entity Framework, and PostgreSQL.
- Authored comprehensive test cases and documentation for UI testing, facilitating effective QA processes and user testing.
- Actively participated in accelerated sprint planning, contributing to rapid project turnover and continuous delivery of enhancements.

Megasys Inc - Software Developer

01/2020 - 09/2024

Anaheim, California

- **Full-Stack Development Lead:** Spearheaded the creation and refinement of financial applications, seamlessly integrating modern front-end technologies like React and TypeScript with a robust C# backend. Managed the entire software lifecycle, ensuring flawless functionality from backend to frontend.
- **Financial Application Architect:** Developed key components for handling payments, user authentication, and electronic transactions, utilizing C# and ASP.NET connected to SQL databases. Focused on delivering secure, efficient, and user-friendly transactional processes.
- **UI Innovator:** Redesigned and enhanced user interfaces, employing React and MUI to transform complex functionalities into smooth, intuitive user experiences that significantly increased user engagement.
- **UI Testing Specialist:** Enhanced UI testing frameworks using Playwright, improving test efficiency by 40%. My role involved refining testing strategies to ensure the highest quality and functionality of all user interfaces.
- **Agile Collaborator:** Actively participated in Agile processes, closely working with project managers and team members to streamline product features, address issues promptly, and deploy updates efficiently. Focused on maintaining high standards of quality and timely project execution.

AdIQ - Web Designer for SEO Company

08/2016 - 07/2019

Costa Mesa, State/Province

- **Designed Websites for businesses for SEO purposes:** Designed and developed responsive SEO-optimized websites for small businesses, leading to a 25% increase in search engine rankings and a 30% boost in organic traffic.
- **Tech stack: HTML, CSS, JavaScript, and SEO tools:** Implemented HTML, CSS, JavaScript, and SEO tools to create websites that not only met design specifications but also exceeded client expectations for user experience and SEO performance.
- **Integrated SQL databases, WordPress:** Integrated SQL databases and WordPress for dynamic website functionality, enabling better content management and providing clients with user-friendly interfaces for maintaining their websites.
- **Created Hashtag creating tools:** Developed custom hashtag generation tools, empowering clients with more effective social media engagement strategies.

IT Specialist

2008 - 2016

- Provided comprehensive IT support, troubleshooting, and problem-solving across various software and hardware systems.
- Enhanced system performance by regularly updating and maintaining IT resources, ensuring minimal downtime and optimal operating conditions.
- Assisted in the deployment and management of network solutions, contributing to robust and efficient IT infrastructure.

Professional Project samples

1. Mobile-responsive Map Search (React and ReactNative)

- Developed adaptive mapping functionality for mobile and web environments, improving location-based searches and user interface responsiveness. Utilized ReactNative and integrated with backend services for real-time data updates.

2. Enhanced Authentication System (C#, ASP.NET)

- Engineered custom login features for a web application, including tailored messages and notifications for new users, enhancing user engagement and security measures.

3. Interactive Bed Reservation System (React, Entity Framework)

- Created a user-friendly drag-and-drop interface for bed reservations and swapping, significantly improving user experience and operational efficiency. Implemented using React with a robust backend managed through C# and Entity Framework.

4. Onboarding Tutorial Using Joyride Library

- Developed an interactive tutorial for first-time users of the platform, guiding them through complex functionalities to enhance user understanding and satisfaction.

5. Insurance Selection Interface (React, PostgreSQL)

- Designed and implemented a dynamic insurance selection tool with dropdown menus, where choices are saved and reflected immediately, facilitating a better user experience.

6. Continuous UI Improvements (MUI, Tailwind CSS, ReactJS)

- Led over a dozen UI enhancements, applying modern design principles and frameworks to increase usability and aesthetic appeal across applications.

7. API Design and Backend Development (C#, ASP.NET, PostgreSQL)

- Took on significant backend coding tasks, developing APIs and managing database updates to support frontend functionalities and ensure seamless user experiences.

8. QA and Documentation

- Authored detailed test cases and documentation to support QA processes, enabling efficient testing and validation by professional users.

School Projects (sample):

Weather Dashboard [Repo](#)

Role: FullStack Developer

The Weather Dashboard is a web application enabling users to search and view current weather data and a 5-day forecast for cities worldwide. Users can store their search history locally, allowing quick access to previously searched cities.

- Built with: TypeScript, TailwindCSS, and Express for a modern, full-stack approach
- Features Real-time weather data for searched cities
- 5-day weather forecast display
- Persistent local storage of search history (local feature only)
- Tools/Languages: TypeScript, TailwindCSS, Express, OpenWeatherMap API
- Interactive UI with light/dark mode toggle and hover effects

AdoptPaws | [Repo](#) | [Deployed](#) (With Vercel)

Role: Developer

- Developed a responsive E-commerce website for a pet adoption center, enabling users to explore pets, select items, and review shopping cart contents.
- Implemented efficient client-side cart functionality using JavaScript and persisted data using `localStorage`.
- Improved the user experience by ensuring cart data retention across page reloads.
- **Tech Stack:** HTML5, CSS3, JavaScript, LocalStorage.

- *Built a command-line application that allows users to create, manage, and interact with different vehicles (Cars, Trucks, Motorbikes), including special actions like towing and performing stunts.*
- *Led the design and implementation of a dynamic vehicle management system in TypeScript, incorporating complex logic for vehicle-specific actions.*
- *Promoted user interaction by offering dynamic options for vehicle control through an intuitive command-line interface.*
- **Tech Stack:** TypeScript.

Education

University of California, Irvine – Division of Continuing Education

Certificate in Full Stack Web Development

June 2024 - December 2024

- Completed intensive coursework in **JavaScript**, **Node.js**, **React**, **SQL**, **MongoDB**, **Python**, **HTML5**, **CSS3**, and **Git**, focusing on both **MERN** and **PERN** stacks.
- Developed practical skills in full-stack development through project-based learning, emphasizing Agile methodologies and **RESTful API** design.
- Enhanced data handling and client-side interactions using **GraphQL**, **Apollo Server**, and **React Routing**.
- Mastered advanced database interactions with **ORMs** like **Prisma**, **Sequelize**, and **Mongoose** for **PostgreSQL** and **MongoDB** applications.
- Gained expertise in scalable, containerized application development using **NestJS** and **Docker**.
- Advanced **CI/CD integration** skills and implemented rigorous testing protocols using **Cypress** for comprehensive end-to-end testing.

[Link to the Certification](#)

Bachelor of Science in Information Technology

Graduated: 2014

- Earned a degree in Information Technology, gaining foundational skills and knowledge in systems administration, network configuration, and software development which supported a subsequent career in IT and software development.