

Muhammad Umar

MERN STACK DEVELOPER

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Portfolio: https://muhammad-umar-developer.vercel.app/

Professional Summary:

Front-End Developer with 2 years of hands-on experience building responsive, optimized, and scalable web applications. Strong expertise in React.js, Node.js, Express.js, WebSocket, Socket.io, and WebRTC. Skilled in integrating APIs, developing real-time systems, and delivering clean UI with high performance.

Technical Skills:

Frontend: React.js, Redux, JavaScript (ES6+), Tailwind CSS, Bootstrap, React Hook Form

Backend: Node.js, Express.js, REST APIs, WebSocket, Socket.io, WebRTC

Database: MongoDB, Mongoose

Tools : Git, GitHub, Figma, Adobe XD, Visual Studio, Cursor

Specialties : Real-Time Systems, UI/UX, API Integration, Performance Optimization

Full Stack Developer – TechExa Digital Services (April 2025 – Present) | NASTP Rawalpindi

- Built responsive React.js front-end integrated with Node.js & Express REST APIs.
- Implemented real-time collaboration using WebSocket & Socket.io.
- Integrated WebRTC for real-time voice communication features.
- Improved application performance and cross-browser compatibility.

Graphic Designer – English Shoes (Jan 2025 – May 2025)

- Designed marketing visuals, banners, and e-commerce product creatives.
- Produced high-conversion content for digital campaigns.

Freelance Full Stack Developer (May 2022 – Dec 2024)

- Delivered MERN stack projects for international clients.
- Developed custom APIs, admin dashboards, and responsive UIs.
- Improved UX and performance for business websites.

Key Projects:

Real-Time Code Editor (2025)

- Developed a **MERN-based collaborative coding platform** with features such as a **live compiler**, **WebRTC voice chat**, and **room-based collaboration** for real-time teamwork and code sharing.
- Integrated **React** for a dynamic, user-friendly interface and **Node.js** for efficient backend operations.
- Utilized **MongoDB** for real-time data storage and **Express** to build RESTful APIs for handling user interactions.
- Enabled **WebRTC** for seamless voice communication within coding rooms, enhancing team collaboration.
- Implemented live, **real-time code compilation** allowing users to instantly test and debug their code within the platform.

Live: quickcodefy.netlify.app

Web Spark Builder WebSite (Website Builder) (2025)

- Spearheaded the development of an **AI-powered website builder platform**, enabling users to easily create, design, and launch professional websites.
- Integrated **drag-and-drop tools**, customizable templates, and AI-based content generation to optimize user experience.
- Led **backend development** to automate domain registration, hosting provisioning, and website deployment for seamless functionality.
- Designed and implemented **payment integration systems** to allow users to purchase hosting and domains directly through the platform.

Live: www.websparkbuilder.com

Solar System WebSite (SolarPlanner) (2025)

- Developed an interactive solar system calculator web app, allowing users to select solar panels, quantity, providers, and accessories to plan their solar setup.
- Implemented dynamic calculations to instantly determine total prices and system configurations for selected solar components.
- Built a user-friendly interface with interactive selection tools for solar plates, providers, and accessories to optimize the planning experience.
- Integrated real-time feedback and data validation to ensure accurate pricing and system recommendations.

Live: www.solarsystemcalc.vercel.app

PhysioTherapy Website (2024)

- Developed and deployed a responsive website for **Physiotherapist** using **Netlify** for seamless hosting.
- Designed an intuitive, patient-friendly interface focused on physiotherapy services, treatment information, and patient engagement.
- Utilized **HTML, CSS, and JavaScript** to build dynamic elements and improve user experience.
- Ensured the site is **fully responsive**, providing smooth functionality across all devices.

Live: www.physiotherapywebsite.netlify.app

Washing Machine Repair Website (2025)

- Developed and deployed a responsive website for **Friendstraders** using **Netlify** for seamless hosting.
- Created an intuitive, user-friendly interface that focuses on **product showcasing** and **customer engagement**.
- Utilized **HTML, CSS, and JavaScript** to build dynamic elements and improve user experience.
- Ensured the site is **fully responsive**, providing smooth functionality across all devices.

Live: friendstraders.netlify.app

Beauty Salon Multi-Page Website (2023)

- Developed a **fully responsive multi-page website** for a beauty salon, ensuring optimal user experience across devices.
- Integrated **booking features** allowing users to schedule appointments seamlessly through an intuitive interface.
- Designed and implemented **custom UI/UX elements** to enhance the overall aesthetic and functionality of the site, ensuring a user-friendly experience.
- Focused on clean, modern design principles and performance optimization to create an engaging, fast-loading site.

Education:

PMAS Arid Agriculture University, Rawalpindi (2021 – 2025)

Bachelor of Science in Software Engineering

Certificates:

- Graphic Designing – Arid University
- UI/UX Design – UXcel