

--Muhammad Shawaiz

MERN Stack Developer

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PROFESSIONAL SUMMARY

Accomplished web developer with a strong foundation in front-end design and a solid transition to full-stack development with the **MERN(MongoDB, Express.js, React, Node.js)** stack with **Next.js** and **Python**. I excel at building scalable, high-performance web applications with seamless user interfaces, robust backend integrations, and secure coding practices. Adept at collaborating with cross-functional teams, I bring a keen eye for design and a detail-oriented approach to delivering end-to-end solutions that drive business success.

TECHNICAL SKILLS

Front-End Development

- **Languages:** HTML5, CSS3, JavaScript (ES6+), TypeScript.
- **Frameworks/Libraries:** React, Next.js, Bootstrap, Tailwind CSS.
- **UI/UX:** Responsive design, Accessibility best practices, Mobile-first development.

Back-End Development

- **Languages:** Node.js, Express.js, PHP, C#, Python.
- **Frameworks:** Express.js for Node, Next.js (server-side rendering).
- **Databases:** MongoDB, SQL Server.
- **APIs:** RESTful API design and integration, JWT authentication.

MERN Stack Expertise

- Full lifecycle development using MongoDB, Express.js, React, and Node.js.
- Building robust, secure, and scalable RESTful APIs.
- Implementing modern state management (Redux, Context API) in React applications.

Other Skills

- Version Control with Git & GitHub.
- Debugging & performance optimization.
- Problem-solving and algorithm design.
- Collaborative teamwork.

PROFESSIONAL EXPERIENCE

Full-Stack Developer (MERN Stack)

Freelance - [Gujrat, Pakistan] - 02/2025 – Present

- Developed and maintained **dynamic web applications** using the **MERN stack**, ensuring seamless integration between the client-side and server-side components.
- Designed **responsive user interfaces** using React and Next.js, enhancing user experience across desktop and mobile devices.
- Implemented secure **RESTful APIs with Express.js and Node.js**, integrating **MongoDB** for high-speed data access and storage.
- Collaborated with designers and project managers to streamline project lifecycles and meet client deadlines effectively.
- Optimized application performance and improved code quality through regular code reviews and testing practices.

Cyber Silo — Intern (Agentic AI & React Framework)

August 2025 – October 2025

- Completed a professional internship at Cyber Silo, actively contributing to projects involving **Agentic AI systems** and the **React framework**.
- Assisted in developing and optimizing **AI-driven** applications with a focus on efficiency, automation, and **intelligent user interaction**.
- Collaborated with the development team to design and implement responsive front-end components using modern React practices.
- Gained hands-on experience in **integrating AI models** with web technologies to enhance product functionality.
- Demonstrated strong problem-solving, teamwork, and project execution skills in a fast-paced, tech-driven environment.

PROJECTS

Culinary AI – Restaurant Management System

Technologies: React (Vite), Tailwind CSS, Node.js, Express.js, Supabase (PostgreSQL), OpenAI.

- Developed a **full-stack restaurant management system** integrating an AI-powered assistant and a real-time admin dashboard.
- Implemented an **Intelligent Call Service Agent** using GPT-4 for natural conversations, menu browsing, order placement, and reservations.
- Designed a **responsive frontend** with React and Tailwind CSS, and built a **secure backend API** with Node.js and Supabase for orders, users, and reservations.
- Enabled **real-time order tracking** and analytics through Supabase Realtime, improving staff efficiency and customer engagement.

Concert Website

Technologies: HTML, CSS, JavaScript, PHP, Bootstrap.

- Developed a **responsive, dynamic concert website** featuring secure user authentication and an integrated ticket booking system.
 - Designed **interactive pages** including Home, About, and Contact to enhance engagement and provide event information.
 - Leveraged **Bootstrap and custom CSS** to ensure full responsiveness and smooth cross-device compatibility for optimal user experience.
 - Focused on **UI design, functionality, and data security**, delivering a seamless and visually appealing platform.
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Pharmacy Management System

Technologies: C#, SQL Server, SSMS.

- Created a **comprehensive desktop application** for managing pharmacy operations including inventory, prescriptions, and patient data.
 - Built a **secure login system** for admin access and implemented detailed modules for sales tracking and automatic receipt generation.
 - Designed an **efficient database schema** in SQL Server for reliable, fast, and accurate record management.
 - Delivered the project **end-to-end** with a focus on performance, usability, and adherence to healthcare data security standards.
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Event Management System (Ms-EventSphere)

Technologies: React, Next.js, MongoDB.

- Built a **dynamic event management platform** for both end-users and administrators to create, view, and manage events seamlessly.
- Designed **interactive frontend components** including Home, Events, About, and Contact pages with a smooth event submission process.
- Developed an **admin dashboard** for event review, approval, editing, and deletion with real-time user and partner management.
- Ensured a **modern, responsive UI and scalable backend** to support efficient event handling and platform moderation.

EDUCATION

Bachelor of Science in Computer Science (BSCS)

PMAS Arid Agricultural University – Gujrat, Pakistan • 2022 – Present

- **CGPA:** 3.75 / 4.0
- **Relevant Coursework:** Data Structures, Advanced Programming, Web Development, Object-Oriented Programming, Database Systems.

LANGUAGES

- **English:** Intermediate proficiency.

INTERESTS

- Exploring emerging web technologies and frameworks.
 - Problem-solving and designing innovative technical solutions.
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