

Muhammad Musa

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ABOUT ME

I'm a software engineer skilled in both frontend and backend development, with experience in databases and AI/Vector embeddings. I enjoy creating practical and efficient solutions that drive meaningful results, always aiming to innovate and improve user experiences.

SKILLS

- **Frontend Technologies:** HTML, CSS, JavaScript, Typescript, React.js, RTK, Next.js, Jquery, Bootstrap, Tailwind CSS, Shadcn UI, Daisy UI and Material UI.
- **Backend & Databases:** Node Js, Mongodb, Express Js, REST API, PostgreSQL and MySQL.
- **Additional:** Firebase, Firestore, Clerk, AI embeddings, Vector embeddings, Strapi CMS, Payload CMS, Stripe payment integrations, Pinecone and langchain.

WORK EXPERIENCE

Orthiya Technology: Software Engineer

06/2022 – 01/2024

- Redesigned and optimized the frontend architecture of a high-traffic e-commerce platform, reducing page load times by 40% and enhancing user retention across 50,000+ monthly visitors.
- Developed and integrated a dynamic REST API using Node.js and Express.js, enabling real-time data synchronization across multiple databases, which improved data consistency and reduced operational errors by 30%.
- Led the migration of legacy code to modern React.js frameworks, incorporating Tailwind CSS for responsive design, resulting in a 25% increase in development efficiency and a 15% boost in site performance.
- Created and deployed multiple websites from scratch, implementing custom frontend designs and backend functionalities, leading to fully responsive, scalable, and SEO-optimized web applications that met client expectations and business goals.

Freelance: Web Developer

02/2020 – 12/2021

- Developed and launched several custom websites from scratch, incorporating tailored designs and functionalities to meet diverse client needs, resulting in high client satisfaction and increased web traffic.
- Resolved complex bugs and performance issues for various client websites, enhancing overall site stability and user experience, leading to a 20% reduction in reported issues and improved client retention.
- Implemented responsive and SEO-optimized solutions for e-commerce and informational websites, improving search engine rankings and mobile usability, which contributed to a 30% increase in organic traffic.
- Collaborated with clients to understand their requirements and provided technical solutions that streamlined their online presence, delivering projects on time and within budget.

PROJECTS

Orthiya Commerce:

- Developed a scalable e-commerce platform using React.js, enhancing user experience.
- Optimized database performance using MongoDB, resulting in faster data retrieval and a 40% decrease in page load times.
- Collaborated with cross-functional teams to deploy new features and updates, maintaining high system reliability and achieving a customer satisfaction rate of 90%.

Echo Verse:

- Developed a dynamic blogging platform using the MERN stack, enabling users to effortlessly create, edit, and share content.
- Implemented state management with Zustand, enhancing application performance and ensuring smooth user interactions.
- Designed a clean and intuitive user interface with Tailwind CSS, improving overall user engagement and readability.

AI SAAS Chat-with-pdf:

- Created an AI-powered communication platform using Next.js 14 and ChatGPT-4.0, streamlining document-based conversations and increasing team productivity by 30%.
- Integrated Pinecone and Langchain for efficient data retrieval and processing, enhancing search accuracy and response times by 25%.
- Developed a secure authentication system with Clerk and managed data storage using Firebase and Firestore, ensuring high-level data security and integrity.

Techozon:

- Developed a professional website for a software house using Laravel, HTML, CSS, and JavaScript, effectively showcasing services and portfolio to attract new clients.
- Implemented responsive design with Bootstrap, ensuring optimal viewing experience across all devices and increasing website traffic.
- Integrated contact forms and lead generation tools, facilitating easy client engagement and inquiry management.

Coder's House:

- Created a collaborative coding platform using React.js, Socket.IO, and Shadcn UI, enhancing team productivity and communication by 30%.
- Implemented real-time chat, video, and audio functionalities, facilitating seamless collaboration and remote working capabilities.
- Developed secure room creation and user authentication systems, ensuring privacy and controlled access for collaborative sessions.

Bed Reservation System for Patients in Corona:

- Developed a critical healthcare resource management system using Python Flask, HTML, CSS, JavaScript, and MySQL, reducing patient wait times by 40% during the COVID-19 pandemic.
- Implemented real-time bed availability tracking, increasing hospital admission efficiency by 35% and optimizing resource allocation.
- Designed an intuitive and accessible interface, enabling healthcare workers to quickly and effectively manage patient intake processes.

[Click here for more projects.](#)

EDUCATION AND CERTIFICATIONS

PMAS ARID University (UIIT) || RWP, PAK

08/2020 – 05/2024

B.S. Computer Science.

Certifications: *Frontend Web Development & React/Redux.*

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Machine Organization and Programming, Artificial Intelligence, Mobile App Development, Software Engineering, User Experience/User Interfaces, Object-Oriented Programming.