

Manas Kumar Lal

Full Stack Web Developer

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📍 India, Bihar, Bhagalpur

🔗 <https://mkl-portfolio.netlify.app/>

in <https://www.linkedin.com/in/manas-kumar-lal-758280298/>

🐙 <https://github.com/ManasKumarLal>

🧠 Skills

Front-End

- Css, Javascript, JQuery
- UI Frameworks (Material UI, Flowbites, Tailwind, Bootstrap)
- React, Redux, Redux toolkit
- Frontend Frameworks (react-hook-form, framer-motion, appwrite)

Backend

- NodeJS, Express JS
- Databases (MongoDB, PostgreSQL(optional))

🎓 Education

Bachelor of Computer Applications, TMBU university

2022 – 2025 | Bhagalpur, India

Grade- Distinction (80%)

📁 Professional Experience

Vedic Technology, Full Stack Developer

2022 – present

Project: testworld.co.in (live web app) 📄

Frontend Development:

- React.js Expertise: Spearheaded the frontend development using React.js, demonstrating proficiency in crafting dynamic and responsive user interfaces for an engaging user experience.
- State Management with Redux Toolkit: Implemented efficient state management using Redux Toolkit, ensuring a scalable and organized application structure for seamless data flow.
- Component-Based Architecture: Designed and implemented a well-structured component architecture, laying the foundation for future scalability and ease of maintenance.
- API Handling: Demonstrated expertise in handling APIs, ensuring seamless communication between the frontend and backend, contributing to a smooth user experience.

Backend Development:

- Data Modeling and Association: Established a robust data association between models, enhancing data integrity and optimizing database performance.
- Controller Implementation: Implemented effective controllers to manage and streamline the flow of data, ensuring a modular and organized backend architecture.
- Middleware for Authentication: Developed and integrated middleware for authentication, enhancing the security of the application and safeguarding user data.
- Error Handling: Implemented comprehensive error-handling mechanisms, contributing to the creation of a robust and reliable platform with minimal downtime.

Technology Stack:

- MERN Stack Mastery: Leveraged the power of the MERN (MongoDB, Express.js, React.js, Node.js) stack, showcasing proficiency across the entire development stack.

Projects

Portfolio, Show my brief introduction

My portfolio showcases a diverse range of projects, highlighting my proficiency in JavaScript, CSS, React.js, Node.js, MongoDB, Express, and Tailwind CSS. Each project reflects a commitment to clean code, effective problem-solving, and a keen eye for user-centric design.

Chat App, A group chat

Developed a cutting-edge real-time chat application from the ground up, showcasing expertise in frontend and backend technologies. The project combines the power of React.js, Context API for state management, Appwrite as the backend service, Tailwind CSS for a sleek UI, and JavaScript for dynamic functionality.

- **Redux Toolkit:** Effectively utilized Redux Toolkit for state management, maintaining a clear and centralized state for enhanced application performance.

Ongoing Development:

- **Continuous Improvement:** Actively involved in ongoing development, demonstrating a commitment to incorporating the latest technologies and industry best practices.
- **Scalability Focus:** Dedicated efforts towards componenting and architecture with scalability in mind, ensuring the platform's ability to accommodate future growth seamlessly.

Collaboration and Teamwork:

- **Cross-Functional Collaboration:** Worked collaboratively with team members, contributing to a cohesive development process and successful project outcomes.
- **Effective Communication:** Regularly communicated project progress, challenges, and solutions with the team, fostering a transparent and collaborative work environment.

Conclusion:

The live web application "onlinetest.co.in" serves as a testament to my skills as a Full Stack MERN Developer, showcasing my ability to handle both frontend and backend development, implement scalable architectures, and continuously enhance the platform for optimal performance.