Narendra Singampalli

📞 +91 8465096970 — ✉ narendrasingampalli2@gmail.com — 🔗 linkedin.com/in/Narendra-singampalli-378950200

Summary — Full-Stack Web Developer(Mern)with over 3 years of experience in designing and developing user-friendly web applications using React,Node JS,Rest API,HTML, CSS, JavaScript and Typescript. Skilled in both front-end and back-end development, as well as testing and debugging. Looking to leverage my expertise and creativity to contribute to the success of a dynamic and innovative company.

Skills

Frameworks	: React, Node.JS, Express, JQuery, Tailwind CSS, Bootstrap
Languages	: JavaScript, TypeScript
Databases	: Mongo DB, MySQL
Testing	: Jest,React testing library
Libraries	: Redux, Redux ToolKit
Tools	: GitHub, Postman, Git

Experience

Tata Consultancy Services   Nov 2021 – Present
Systems Engineer (Mern Stack Developer)

- Developed full-stack web applications using the MERN stack (MongoDB, Express, React, and Node.js), specializing in dynamic front-end development with React and back-end server scripting with Node.js.
- Integrated RESTful APIs and third-party services to expand application features and improve user engagement, enhancing functionality and interactivity.
- Conducted comprehensive software testing, including unit, integration, and end-to-end testing, to identify and resolve software issues, ensuring delivery of high-quality, bug-free applications.
- Collaborated cross-functionally with product, design, to gather requirements, design and implement solutions, and align features with business objectives.
- Optimized application performance by performing code reviews, refactoring code, and implementing best practices for faster load times and improved application responsiveness.
- Applied responsive web design principles to ensure compatibility across mobile devices, tablets, and desktops, improving accessibility and user experience.
- Provided maintenance and updates for existing applications, delivering support and enhancements based on user feedback and evolving project requirements.
- Actively participated in Agile and Scrum processes, including daily stand-ups, sprint planning, and retrospectives, to improve team collaboration, project planning, and delivery timelines.
- Authored comprehensive documentation for codebases, API specifications, and application workflows, streamlining onboarding and supporting knowledge transfer.
- Developed and executed unit tests and integration tests with testing frameworks like Jest, improving software reliability, scalability, and maintainability.
- Mentored junior developers by providing technical guidance, sharing best practices, and assisting with troubleshooting to foster professional growth.
- Engaged in continuous skill development through courses, certifications, and professional development activities to stay current with emerging technologies and industry standards.

Education

Pragati Engineering College
Bachelor of technology in mechanical Engineering   *2018-2021*

Certifications

- Microsoft Azure - Microsoft Azure Fundamental Certification
- Microsoft Azure - Microsoft Azure Developer Associate
- TCS - TCS Certified frontend developer

Awards

- Best team member award - tcs
- Certificate of Appreciation - tcs
- Client Appreciation. - Client

Projects

Tata consultancy services Website   **Jan 2024 – Present**

Tech Stack: React,Tailwind CSS, Javascript, JQuery and Rest APIs

- Developed Scalable Web Applications: Designed and implemented responsive and dynamic user interfaces for web applications using modern JavaScript frameworks like React.js, enhancing user engagement
- Accessibility Compliance: Ensured web accessibility by adhering to WCAG standards, implementing ARIA roles, and conducting audits to achieve an accessibility score of 95
- Seamlessly integrated REST APIs to facilitate secure and efficient data exchange between systems.
- Employed Jest for automated unit testing, effectively identifying and resolving critical bugs, which resulted in a notable reduction in production issues.
- Bootstrap Migration: Successfully upgraded applications from older Bootstrap versions to the latest, ensuring compatibility and improved UI consistency across all components.
- Monitored application performance after launch, using analytics tools to gather user insights and inform iterative improvements.
- Engaged in ongoing collaboration with stakeholders to prioritize features and enhancements based on evolving business needs.
- Client-Side Performance Optimization:Leveraged lazy loading for components and images to enhance page load speed. Utilized code splitting and React Suspense to improve performance on slower networks.
- Testing and Debugging:Performed unit testing with Jest and component testing with React Testing Library to ensure reliability. Used browser dev tools and debugging tools like React Developer Tools for issue resolution.
- User-Friendly Interface Design: Developed intuitive interfaces that empower users to build and customize applications easily, catering to both technical and non-technical users.

Speedpay Banking Project   **Nov 2021 – Dec 2023**

Tech Stack: React,Express JS, Mongo DB, Node JS,Tailwind CSS and Rest APIs

- User Authentication and Authorization:Implemented secure user authentication using JWT and bcrypt, ensuring data protection and secure access to sensitive banking information.Designed role-based access control (RBAC) for users (customers, admins) to handle different levels of access.
- Built RESTful endpoints to manage customer accounts:Create, update, and delete accounts.Fetch account details and balance. Ensured idempotency for critical operations like account creation and updates.
- Efficient storage and retrieval of banking data.Designed a MongoDB schema with collections for users, accounts, transactions, and notifications. Used indexing and aggregation pipelines for fast querying and data analysis.
- Provided maintenance and updates for existing applications, delivering support and enhancements based on user feedback and evolving project requirements.
- Accessibility and Compliance: Ensured adherence to WCAG standards, making the application accessible for users with disabilities. Added ARIA attributes for screen readers and tested for keyboard navigation.
- Engaged with stakeholders to present progress and gather requirements for future enhancements to the Different clients in the project
- Testing and Debugging:Performed unit testing with Jest and component testing with React Testing Library to ensure reliability. Used browser dev tools and debugging tools like React Developer Tools for issue resolution.
- State Management:Managed application state using Redux for global state handling and React Context API for local state management.
- Client-Side Performance Optimization:Leveraged lazy loading for components and images to enhance page load speed. Utilized code splitting and React Suspense to improve performance on slower networks.
- Reusable Component Creation: Engineered a library of reusable UI components, streamlining the app development process, and enhancing consistency across various projects.
- Real-Time Backend Integration: Integrated real-time backend services, enabling dynamic data interaction and updates for dashboards, improving user engagement and experience.
- User-Friendly Interface Design: Developed intuitive interfaces that empower users to build and customize applications easily, catering to both technical and non-technical users.
- Collaboration and Feedback Mechanism: Established features for user collaboration and feedback, facilitating continuous improvement of the application based on user input.