

Bharath S

Assistant System Engineer at Tata Consultancy Services

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PROFILE

A self-motivated IT professional with good knowledge and proficiency in React, JavaScript, HTML, CSS and responsive web development, as well as strong skills and ability in writing clean and efficient code.

SKILLS

Frontend: JavaScript, TypeScript, React JS, Redux, Next JS, HTML5, CSS3, Bootstrap, Tailwind CSS, Material UI, jQuery, Webpack.

Tools: Git, GitHub, GitHub Co-pilot, VS Code, Postman, Webstorm.

Testing: Jest, React Testing Library.

Other Skills: RESTful APIs, CI/CD Pipelines, Accessibility, Agile Development, Cross-Browser Compatibility, Scrum.

EXPERIENCE

Tata Consultancy Services (TCS)

Associate System Engineer – (Aug 2022 – present)

Client: American Express (Banking Sector Project)

Tech Stack: React.js, Redux Toolkit, React Hook Form, Boot Strap, JavaScript, Html, Css, Git, GitHub, GitHub Copilot CI/CD Pipelines.

- Developed and maintained responsive, reusable components with strong adherence to design and accessibility standards.
- Integrated RESTful APIs using Axios and handled complex asynchronous flows using Redux Thunks.
- Reduced Form-related bugs by 40% using React Hook Form for structured Validation
- Collaborated with cross-functional teams (backend, QA, UX) in an Agile environment to deliver high-quality features on time.
- Converted Figma designs into pixel-perfect UI using Bootstrap and One app.
- Optimized Large data tables by reducing render time up to 25% through memorization, code splitting and lazy loading techniques.
- Delivered 15+ features and enhancements across 4 major sprints with 100% on-time delivery.
- Ensured 100% responsiveness and cross-browser compatibility across all user-facing pages.
- Maintained 100% unit test coverage for all components using Jest and React Testing Library.

PROJECTS

- **Chat-app | MERN Stack, Vite + React, DaisyUI, TailwindCSS**
 - Developed a real-time chat application with JWT-based authentication and role-based authorization using MongoDB, Express, React, and Node.js.
 - Integrated Socket.IO for live messaging and Zustand for efficient global state management.

- Implemented AI Assistant using OpenAI API and Web Speech API for voice-to-text input support.
 - Utilized Cloudinary for image uploads and Axios for API data fetching across the app.
 - Deployed production-ready app on Render with optimized builds using Vite and React Router DOM for seamless navigation.
- **Todo-list-app** | React JS, React hook-form, Bootstrap, Day JS.
- Built Responsive To-Do list application to manage tasks with real-time form validation.
 - Integrated Day.js to implement dynamic due date highlighting and filtering.
 - Added es-lint, prettier plugins for clean code and used jest library for testing.
- **OMDB-movie-app** | React JS, React-router-dom, Tailwind Css.
- Used Omdb api to fetch and display dynamic movie data with responsive UI style using Tailwind
 - Implemented client side routing using react router dom for seamless navigation.
 - Improved app performance by 20% through lazy loading and code splitting technique.
- **Google-map-clone** | React JS, TypeScript, Tailwind Css, Vite, OSM api, React-leaflet.
- Engineered an Interactive map interface using React and typescript
 - Integrated OpenStreetMap API for real time map rendering and location data