

Tushar Sapate

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PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience building scalable, production-grade React.js and Next.js applications using TypeScript, Redux Toolkit, TanStack Query, and REST APIs. Skilled in Agile/Scrum environments, CI/CD pipelines, unit testing (Jest, Vitest), and performance optimization. Proven track record of reducing bundle size by 40-50%, improving WCAG accessibility compliance, and delivering enterprise healthcare platforms serving 3M+ users.

EDUCATION

RTMNU University
Mechanical Engineering

Nagpur, Maharashtra, IN
June 2016 - June 2020

Masai School
MERN Stack Development Program

Online
Dec 2022 - Aug 2023

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript

Frontend: React.js, Next.js, Tailwind CSS, Material UI, Zod, RTK Query, TanStack Query, ECharts

Testing: Jest, Vitest, Unit Testing, Integration Testing

Build Tools: Webpack, Vite

DevOps / Tools: Git, GitHub, GitLab, Jira, Postman, Firebase, GitHub Actions, Jenkins, Vercel, Netlify, CI/CD

Architecture / Concepts: Micro Frontend Architecture, Responsive Design, Performance Optimization, Code Splitting, Lazy Loading, Caching Strategies, Reusable Component Design, Agile/Scrum

AI Tools: Cursor, Claude Code, ChatGPT

WORK EXPERIENCE

Software Engineer : **InspironLabs Software Systems Pvt Ltd, Bangalore, Oct 2024 - Present**

Dashboard & Multi-Tenant SaaS Platform (Healthcare):

- Developed end-to-end modules including dashboard management, tenant and user management, RBAC, and a dynamic widget builder using React.js and TypeScript.
- Implemented authentication flows and schema-based form validation using Zod, reducing invalid form submissions and improving data integrity.
- Leveraged TanStack Query caching and stale-time strategies to minimize redundant API requests for dashboard data, improving responsiveness and reducing network overhead by an estimated 30%.
- Reduced application bundle size by 40-50% through code splitting and lazy loading, improving page load performance.
- Wrote unit and integration tests using Jest and Vitest to ensure code reliability across critical modules.

Provider Affiliation & Partner Management Platform (Healthcare):

- Built and enhanced provider affiliation and partner management modules for a healthcare platform serving 3M+ users, driving continuous improvements in workflow efficiency.
- Improved accessibility compliance (WCAG 2.1 standards) across UI components, ensuring usability for a broader user base.
- Contributed to a Micro Frontend-based application, building reusable UI components using React.js, Material UI, and Redux Toolkit.
- Ensured a stable, production-ready release by integrating REST APIs and resolving 30+ UAT-reported bugs in close collaboration with QA and cross-functional stakeholders in an Agile/Scrum environment.
- Participated in sprint planning, code reviews, and daily stand-ups, contributing to consistent on-time feature delivery.

Front-end Developer : **Cleanomatics Tech Solution, Remote Aug 2023 - Jan 2024**

- Customized and enhanced existing Zoho Creator modules and workflows based on client requirements, reducing manual process time.
- Developed UI and workflow automation features using JavaScript, HTML, and CSS, improving client operational efficiency.
- Collaborated directly with stakeholders to gather requirements, deliver tailored solutions, and resolve application issues within tight deadlines.

PROJECTS

MASAI FLOW : React.js, Node.js, MongoDB, Express.js [GitHub](#)

- Built a full-featured React clone of Masai School's platform, including course information pages, live MSAT session scheduling, and referral/redemption flows.
- Designed reusable component architecture and integrated RESTful APIs for dynamic data rendering.

BURROW-APP CLONE : React.js, Node.js, MongoDB, Payment Integration, OAuth [GitHub](#)

- Built a full-fledged MERN e-commerce application with secure payment processing, order confirmation workflows, and OAuth-based authentication.
- Implemented password recovery flow and optimized component rendering for improved performance.

ACHIEVEMENTS

- Received the GEM (Going the Extra Mile) Award for outstanding contribution.
- Led a 5-member team to Runner-Up in Masai School's Construct Week hackathon challenge.