

# Rutika Patel

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## SUMMARY

Front-End Developer with **6+ years of experience** building **scalable, high-performance React.js applications** using **TypeScript** and **modern UI frameworks**. Skilled in **state management (Redux, Context API)** and optimizing component reusability with **React Hooks** (*useState, useEffect, useMemo*). Adept at improving application performance, **leading Agile teams**, and **mentoring developers**. Strong **communicator** with experience collaborating across UX, backend, and business teams to refine requirements and drive **efficient development**. Experienced in **ADA and WCAG compliance standards accessibility implementation**, data privacy, **Committed to Agile and Test-Driven Development (TDD)**, I use **Jest and React Testing Library** to ensure high code quality and reliability. Passionate about accessibility, **performance optimization**, and **continuous learning**, I stay up to date with **emerging front-end technologies** to drive **innovation, user engagement**, and **business impact**. I've worked with **Kibana** for observability and led reusable component development aligned with design systems using **Storybook** and **Material UI**. Additionally, I have experience implementing Micro Frontend (MFE) architecture and deploying containerized applications using **Docker**, while building customer-facing web platforms focused on usability, responsiveness, accessibility, and delivering exceptional user experiences. Currently exploring **Generative AI tools** and **backend integration** with **Node.js** to **expand full-stack** capabilities and align with cutting-edge innovation trends. Additionally, I have experience implementing **Micro Frontend (MFE)** architecture and deploying containerized applications using **Docker**.

## TECHNICAL SKILLS

- **Front-End Technologies:** HTML5, CSS3, JavaScript (ES6+), TypeScript, React.js (v16+)
- **State Management:** Redux, Context API, React Hooks (useState, useEffect, useMemo, useReducer etc.)
- **Styling & Design Tools:** Sass, SCSS, Less, Styled Components, Tailwind CSS, Material-UI, Framer Motion, Spline 3D
- **API & Data Integration:** RESTful APIs, GraphQL, Axios, WebSockets, Fetch API, Postman
- **Testing & Debugging:** Jest, React Testing Library, Unit Testing, Integration Testing, Chrome DevTools
- **Version Control & Tools:** Git, Git Flow, GitHub, GitLab, Bitbucket, JIRA, Figma, Jenkins, Webpack, Storyblok, AEM, Storybook
- **Database & Deployment:** SQL, Redis, CI/CD Pipelines, Docker, Micro Frontend (MFE)
- **Accessibility:** WCAG 2.1, ADA Compliance, Cross-Browser Support, Keyboard Navigation
- **Other Skills:** Agile/Scrum, Responsive Design, Performance Optimization, GitHub Copilot, Kibana
- **Learning & Expansion:** Node.js (backend integration), Python, Generative AI tools for front-end innovation

## WORK EXPERIENCE

### INFOSYS LTD.

Apr 2019 – Present

#### Technology Lead (Front End Developer - ReactJS 18) Verizon

Jan 2024 - Present

- **Optimize performance** of critical modules (*Ordering, Account Inquiry, Quoting*) by streamlining **RESTful API interactions** and designing **efficient data-fetching solutions** using **GraphQL** integrated with a **microservices-based backend** — reducing **over-fetching**, minimizing **API calls**, and enhancing **data retrieval efficiency**. Improved data flow and responsiveness, resulting in a **40% reduction in processing time** and seamless backend communication for **high-volume enterprise transactions**.
- **Lead design and deployment** of a secure government quoting-to-ordering system, ensuring **data privacy compliance** and improving workflow efficiency by **35%**.
- Build **scalable front-end architecture** using **React functional components**, **Redux**, and **Context API**, increasing responsiveness by **40%**. Refactor legacy class components into a **hook-based architecture** to reduce re-renders and ensure long-term scalability.
- Rapidly **prototyped** and **delivered** intuitive user interfaces using React and TypeScript, **collaborating** closely with designers in **Figma** to iterate quickly and translate concepts into accessible, **production-ready** features.
- **Resolve performance** bottlenecks using **React DevTools**, **lazy loading**, **bundle optimization**, and **memoization**, significantly improving page load times and navigation experience.
- **Automate testing workflows** with **Jest**, **React Testing Library**, and **GitHub Copilot**, accelerating development cycles, enhancing test coverage, and maintaining high code quality.
- **Mentor junior developers** by introducing **automated code reviews**, guiding **Merge Request (MR)** best practices, and driving technical discussions to maintain a clean, scalable, and collaborative codebase.
- **Integrated AG-Grid** to handle large, dynamic datasets for enterprise modules; implemented **WebSockets** for real-time order status updates; and adopted **Git Flow** to streamline branching, collaboration, and release cycles.
- **Collaborate cross-functionally** with UX, backend, and business teams to refine user requirements, boost delivery efficiency by **25%**, and ensure accessibility **WCAG compliance**, **Agile** practices, and **test-driven development (TDD)** across the front-end ecosystem.

#### Technology Lead(2022 to 2024) (Front End Developer ReactJs 16) Directv

Oct 2020 – Dec 2023

- **Improved** performance of high-traffic content delivery systems using **ReactJS**, **lazy loading**, **memoization**, and **A/B testing**, resulting in a **30% reduction in load times** and significant gains in user engagement.
- **Engineered** scalable **CMS platforms** using **ReactJS (v16.8 to v18)** with **Hooks-based components**, integrating **Storyblok** and managing **AEM (Admin Content)** to support dynamic content workflows and enterprise publishing.
- **Introduced Storybook** to manage and document reusable UI components, driving **design consistency**, faster onboarding, and streamlined collaboration between engineering and design teams.
- **Formulated automated testing strategies** using **Jest**, **React Testing Library**, and **mocked APIs**, increasing test coverage and reducing production defects by **40%**.

- **Crafted modular UI components** aligned with the design system, accelerating team development and ensuring interface consistency across products.
- **Developed reusable front-end components** based on the company's design system, increasing code reusability and accelerating UI development across projects.
- **Partnered with cross-functional teams**, including product, UX, and QA, to translate complex requirements into **accessible (WCAG and ADA-compliant), responsive**, and maintainable front-end solutions.

#### Junior Front End Developer Client: Verizon

*Apr 2019 - Oct 2020*

- **Created responsive and interactive user interfaces** using **HTML, CSS, and JavaScript**, ensuring cross-browser compatibility, mobile responsiveness, and adherence to **WCAG accessibility standards**.
- **Translated wireframes and design mockups** into **pixel-perfect, semantic front-end code**, improving UI accuracy and ensuring brand consistency across platforms.
- **Integrated RESTful APIs** with **JavaScript** using the **Fetch API** and **async/await patterns**, enabling dynamic data rendering, real-time updates, and improving workflow efficiency in user dashboards.
- **Built modular, reusable JavaScript components** with optimized **DOM manipulation**, clean **event handling**, and a focus on performance, contributing to a scalable and maintainable front-end codebase.
- **Collaborated with UX designers** using **Figma**, gaining practical experience with **wireframes**, responsive design principles, and managing smooth design-to-development handoff through continuous feedback and visual validation.

#### Company: TUTKIA, USA. | Intern

*Aug 2018 - Mar 2019*

- **Assisted front-end development tasks** using **JavaScript**, learning how to structure modular and reusable code components while understanding real-world project workflows.
- **Learned and applied Git version control**, contributing to branch management, commits, and code synchronization within a collaborative development environment.
- **Worked with JIRA** to update tickets, **attach test evidence**, and assist in tracking feature progress as part of an **Agile workflow**, gaining hands-on experience in team communication and sprint cycles.
- **Tested and debugged UI components** using **Chrome DevTools**, and helped document new features under guidance, improving both technical accuracy and knowledge of software documentation standards.

### EDUCATION

- **New York Institute of Technology. M.S. in Information and Computer Science.**
- **Ahmedabad Institute of Technology (GTU), India. B.E. in Computer Engineering.**

*Aug 2016 – May 2018*

*Aug 2011 - May 2015*

### KEY PROJECTS

#### Scalable Enterprise Quoting & Ordering System for a Retailer

Designed and developed the front-end of a high-volume enterprise application that supports quoting and ordering for retail users across multiple business units, **enabling real-time accuracy and secure workflows**.

- Designed a modular, API-driven interface using React and TypeScript, facilitating seamless communication with backend services for real-time pricing, tax, and discount logic to support accurate, high-speed transactions.
- Streamlined data handling by implementing Redux, smart caching, and memoization strategies, which collectively eliminated **redundant API calls** and enhanced front-end performance by 45% under high-traffic conditions.
- Orchestrated a dynamic **Role-Based Access Control (RBAC)** user experience, configuring tailored UI workflows and data access for retail associates, managers, and administrators to maintain workflow security and clarity.
- Elevated performance and usability by introducing **route-level code splitting**, lazy loading, and WCAG-compliant UI components, resulting in faster load times, smoother navigation, and improved accessibility for diverse users.

#### CMS-Integrated Web Experience for Media Streaming Platform

Contributed to the front-end development of a dynamic streaming platform interface, enabling users to explore content, compare plans, and complete end-to-end package purchases through personalized, CMS-driven experiences.

- Developed key UI flows using React.js, including **homepage content, package selection cards, add-on options, and a multi-step checkout process**—ensuring smooth, data-driven user interactions across devices.
- Integrated **headless CMS platforms like Storyblok and AEM** to dynamically render promotions, plan details, and content sections, allowing business teams to manage and update content without code changes.
- Built reusable, responsive components for package comparison, pricing, offers, and interactive carousels, following accessibility standards (WCAG) and implementing performance optimizations such as lazy loading and memoization.
- Enabled real-time content updates and improved discoverability by incorporating **metadata tagging, search indexing, and smart caching**, resulting in faster editorial workflows and a 20% increase in user watch-time.