

RAHUL PRASAD

Senior Frontend Engineer — React — TypeScript — Performance

✉ prasad.rahul.in@gmail.com ☎ +91-7276153397 🔗 linkedin.com/in/grampus 🌐 Portfolio

PROFESSIONAL SUMMARY

Senior Frontend Engineer with 6+ years building scalable React and TypeScript applications with a focus on performance, accessibility (WCAG 2.1 AA/AAA), and testing. Led migrations from legacy stacks, architected reusable design systems, and shipped internal developer tooling for content and engineering teams. Comfortable partnering with product, design, and backend teams while mentoring junior engineers.

TECHNICAL SKILLS

Core: JavaScript (ES5/ES6+), TypeScript, React.js, Next.js, HTML5, CSS3/SASS, Responsive Design
Frontend Architecture: Component-Driven Design, Micro-Frontends, Module Federation, SSR, SSG, ISR
State & Data: Redux, Redux Toolkit, Zustand, Context API, React Query/TanStack Query, SWR
API & Integration: REST APIs, GraphQL, Apollo Client, WebSockets, OAuth 2.0, JWT
Testing: Jest, Cypress, React Testing Library, Playwright, Unit/Integration/E2E Testing, TDD
Performance: Core Web Vitals (LCP, FID, CLS), Lighthouse, Webpack, Vite, Code Splitting, Lazy Loading
Accessibility: WCAG 2.1 AA/AAA, Axe, Semantic HTML, ARIA, Screen Reader Testing
DevOps & Cloud: Git, GitHub Actions, Jenkins, CI/CD, Docker, AWS (S3, CloudFront), Azure
Design & CMS: Figma, Storybook, Design Tokens, AEM 6.5 (Coral UI, HTL, ClientLibs, DAM API)
Analytics: Google Analytics 4, Google Tag Manager, A/B Testing, Hotjar
AI Tooling: GitHub Copilot, LLM-assisted development workflows

PROFESSIONAL EXPERIENCE

Senior IT Engineer – Frontend Platform

Jul 2025 – Present

Kaiser Permanente, Pune, India

- Built a full-stack JSON Visualizer developer tool within AEM featuring interactive SVG graph rendering, real-time node editing, tag-to-JSON conversion with cascading dropdowns, and DAM upload with conflict resolution
- Developed using vanilla ES5 JavaScript to meet AEM constraints and avoid dependency/security overhead while maintaining zero external dependencies
- Led migration of legacy HR system from jQuery/Angular to React with TypeScript, improving code maintainability and reducing debug cycles
- Implemented WCAG 2.1 AA accessibility standards across all features, achieving 90+ Lighthouse scores and passing ADA compliance audits
- Built role-based permission and impersonation control system for healthcare compliance requirements
- Mentored 3 engineers through code reviews, pair programming, and internal tech talks on React patterns and performance optimization

Associate in Technology – Frontend Development

Oct 2021 – Jul 2025

Publicis Sapient, Gurugram, India

- Reduced page load time from 4.2s to 3.4s through Lighthouse-driven optimization including code splitting, lazy loading, image optimization, and critical CSS extraction
- Migrated 50+ Angular components to React with TypeScript, reducing bundle size from 420KB to 273KB gzip through tree shaking and dynamic imports

- Architected and maintained scalable design system with 60+ components, theming layer, and design tokens supporting multiple locales and dark/light modes
- Implemented GA4 tracking infrastructure with custom events and A/B testing workflows enabling data-driven product decisions
- Established testing practices with Jest and Cypress achieving 85% code coverage, reducing production bug rate
- Collaborated cross-functionally with product, UX, and backend teams in Agile sprints to deliver features end-to-end

Systems Engineer – Frontend Development

Tata Consultancy Services (TCS), Gurugram, India

Jul 2019 – Oct 2021

- Developed enterprise network monitoring dashboard in React with WebSocket integration handling 500+ endpoints with live data updates
- Refactored 50+ legacy Angular components to React with TypeScript and custom hooks, improving maintainability
- Implemented API caching strategies using HTTP headers, request deduplication, and stale-while-revalidate patterns
- Optimized rendering performance using React.memo, useMemo, useCallback, and virtualized lists for data-heavy views
- Built reusable chart components using D3.js for data visualization across multiple dashboards

KEY PROJECTS & IMPACT

- **AEM JSON Visualizer Tool** – Developer tool with SVG graph engine, hierarchical tag browser, JSON customizer with context-aware metadata, DAM uploader, and personalization playground. Used by content and engineering teams to manage JSON-driven content structures.
- **Enterprise Design System** – 60+ React components with Storybook documentation, automated visual regression testing, design tokens, and theming adopted across 4 product teams
- **Real-Time Monitoring Platform** – React + WebSocket dashboard with live telemetry, alerting, D3.js charts, and role-based access for 500+ network endpoints
- **Developer Workflow Optimization** – Integrated GitHub Copilot with structured prompting strategies for consistent code generation across multi-file features

EDUCATION

B.Tech in Computer Science Engineering

Guru Gobind Singh Indraprastha University (GGSIPU), New Delhi

2015 – 2019

CGPA: 8.07/10

Senior Secondary School (12th)

Gagan Bharti Sr. Sec. Public School, New Delhi

2014 – 2015

Percentage: 82.6%