

# KUMAR ANKUR

## Senior Frontend Engineer | Frontend Architect | AI-Enabled UI Engineer

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### PROFESSIONAL SUMMARY

Senior Frontend Engineer with 10+ years of experience architecting scalable, high-performance, enterprise-grade web applications and frontend platforms using React.js, TypeScript, JavaScript, Angular, Redux, and modern frontend engineering practices. Specialized in frontend architecture, reusable component systems, accessibility (WCAG), performance optimization, Core Web Vitals, Lighthouse optimization, enterprise UI platforms, and AI-assisted software development. Strong expertise in React ecosystem, SPA architecture, responsive UI engineering, rendering optimization, lazy loading, code splitting, design systems, reusable component libraries, SharePoint SPFx development, frontend scalability, and component-driven development. Experienced delivering enterprise solutions for Fortune 500 organizations including McKinsey & Company, Verizon, Marriott, and AT&T.; Actively leveraging GitHub Copilot, Cursor AI, and ChatGPT for AI-assisted engineering workflows, debugging, automation, productivity optimization, and modern software development practices.

### CORE SKILLS

**Frontend:** React.js, TypeScript, JavaScript (ES6+), Angular, Redux, HTML5, CSS3, SCSS/SASS, Bootstrap, Material UI, Responsive Design, Accessibility (WCAG), SPA Architecture, Frontend Architecture, Component-Driven Development, Design Systems, Reusable Component Libraries, Rendering Optimization, Core Web Vitals, Lighthouse Optimization, Lazy Loading, Code Splitting, REST APIs, SSR/CSR Concepts, Microfrontend Concepts, Cross-Browser Compatibility

**Backend & Platform:** Node.js, Express.js, NestJS, MongoDB, CI/CD Pipelines, Jenkins, Git, GitHub, Agile/Scrum, Webpack, Vite, Monorepo Concepts, SharePoint SPFx, Enterprise UI Platforms

**AI-Assisted Development:** GitHub Copilot, Cursor AI, ChatGPT for Development, AI-Assisted Debugging, Prompt Engineering, AI Productivity Workflows, Developer Productivity Optimization

**Engineering Practices:** System Design, Data Structures & Algorithms, Jest, Code Reviews, Performance Engineering, Scalable Architecture, Production Support, Agile Delivery

### PROFESSIONAL EXPERIENCE

#### Nagarro | Senior Software Engineer | 2024 – Present

Client: McKinsey & Company

- Architecting scalable enterprise frontend platforms and reusable UI systems using React, TypeScript, JavaScript, and modern frontend engineering practices.
- Developing SharePoint SPFx extensions and enterprise collaboration solutions for internal business workflows.
- Building reusable component libraries and modular frontend architectures improving maintainability, scalability, and engineering productivity.
- Optimizing rendering performance, bundle size, lazy loading, and frontend scalability to improve user experience and application efficiency.
- Implementing responsive and accessibility-compliant (WCAG) enterprise interfaces across business platforms.

- Leveraging GitHub Copilot, Cursor AI, and ChatGPT for AI-assisted development workflows, automation, debugging, and productivity optimization.
- Conducting code reviews, participating in architecture discussions, mentoring engineers, and evaluating frontend candidates through technical interviews.

### **Publicis Sapient | Senior Software Engineer | 2020 – 2024**

Client: Verizon

- Developed enterprise-scale ecommerce applications using React, Angular, TypeScript, Redux, Bootstrap, and Material UI.
- Built scalable reusable component libraries and enterprise UI modules across multiple business workflows.
- Improved Core Web Vitals, rendering efficiency, and frontend performance using lazy loading, image optimization, code splitting, and bundle optimization strategies.
- Reduced page load time by approximately 30% through frontend performance optimization initiatives.
- Created Node.js automation scripts reducing manual configuration effort by more than 95%.
- Led and mentored a frontend engineering team of 5 developers across enterprise product initiatives.
- Collaborated directly with stakeholders, product managers, architects, and clients during sprint planning and release cycles.

### **Publicis Sapient | Software Engineer | 2018 – 2020**

Client: Marriott

- Developed smart TV interfaces and digital hospitality platforms using React, Redux, HTML5, CSS3, and Bootstrap.
- Implemented animated EPG interfaces and optimized rendering performance improving application responsiveness by approximately 40%.
- Integrated OTT platforms including Netflix, Prime Video, Hulu, and streaming integrations.
- Built multilingual and internationalization capabilities using React i18n and reusable frontend modules.
- Created rich UI experiences using CSS3 animations, transitions, and responsive layouts.

### **Tech Mahindra | Software Engineer | 2015 – 2018**

Client: AT&T;

- Developed enterprise admin dashboards using React, Redux, JavaScript, HTML5, CSS3, Bootstrap, and Material UI.
- Built reusable frontend components and scalable UI structures improving development efficiency and maintainability.
- Implemented modular CSS architecture using BEM and 7-1 design patterns.
- Collaborated with UX teams, backend teams, and stakeholders to deliver scalable enterprise applications.
- Participated in Agile delivery, debugging, testing, production support, and cross-browser compatibility initiatives.

## **LEADERSHIP & IMPACT**

- Led and mentored frontend engineering teams across enterprise-scale product initiatives.
- Conducted frontend technical interviews and engineering candidate evaluations.
- Collaborated directly with architects, business stakeholders, and cross-functional engineering teams.

- Championed accessibility compliance, frontend modernization, reusable architecture, and performance engineering best practices.
- Delivered scalable enterprise UI solutions across ecommerce, telecom, hospitality, and collaboration domains.

## **EDUCATION**

### **Bachelor of Technology (B.Tech)**

Electronics and Communication Engineering

Academy of Technology | 2011 – 2015

## **CERTIFICATIONS & ACHIEVEMENTS**

- Solved 100+ Data Structure & Algorithm problems using coding platforms and AlgoExpert.
- Recognized with Spot Awards and engineering excellence appreciation.
- Certified in Agile Awareness and Scrum methodologies.
- Active learner in AI-assisted engineering, frontend architecture, and scalable UI engineering.