

SAMPREET NAIK

Sr. Frontend Engineer

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PROFESSIONAL SUMMARY

Sr. Frontend Engineer with **12+ years** of experience in crafting responsive, user-centric web applications with a strong focus on detail, performance, and scalability. Skilled in transforming UI/UX designs into seamless digital experiences. Proven ability to ensure accessibility, optimize cross-browser compatibility, and collaborate effectively with teams to deliver high-quality, standards-compliant solutions.

SKILLS SET

Core Web Technologies	HTML5, CSS3, JavaScript (ES6+), JSON, AJAX, XML, XHTML,
Languages	JavaScript, TypeScript, Python, Java, C#,
Frameworks	AngularJS, Angular (v2 – v20),
Library	React (v16 – v19+), Redux, RxJS, NgRx, jQuery, D3.js, Highchart, Canvas API,
CMS	Drupal, WordPress,
Styling & Preprocessors	SASS, SCSS, LESS, CSS Modules, Media Queries, CSS Variables,
CSS Framework	Material UI, Tailwind CSS, Bootstrap, Angular Material, MDBBootstrap,
Backend	Java, C#, Python, Node.js, PHP, GraphQL, WebSockets,
Database	SQL, NoSQL, MongoDB, PostgreSQL, BigQuery, Bigtable,
Cloud Database	AWS, Google Cloud Platform (GCP), Firebase,
JavaScript Unit Testing	Jasmine, Karma, Jest, Mocha, Enzyme, Cypress, Protractor,
Design Tools	InVision, Figma, Adobe XD, Sketch, Miro,
Developer Tools	Google Lighthouse, VS Code, Chrome DevTools, Angular DevTools, React Developer Tools, Redux DevTools, Postman, Swagger, Rpc Studio,
Accessibility	Section 508, WCAG 2.0 / 2.1 / 2.2 AA, VoiceOver, JAWS, NVDA, Google Lighthouse,
CI/CD	GitHub, GitLab, Docker, Kubernetes, Jenkins, Rio,
Exploring	React Native, Next JS,

CAREER PROFILE

Company	Designation	City	Tenure
Google	Sr. Frontend Engineer	Austin, TX	Mar 2024 – Present
Apple	Sr. Frontend Developer	Austin, TX	Apr 2022 – Mar 2024
Common Cents Distributors	Software Developer, App.	Fairfield, NJ	Oct 2020 – Mar 2022
SimpliSafe	UI/UX Developer	Boston, MA	Oct 2019 – Sep 2020
USAA	Web Developer	San Antonio, TX	Nov 2018 – Sep 2019
PenFed	Web Developer	McLean, VA	April 2018 – Nov 2018
MRM//McCann	Web Developer	Birmingham, MI	Dec 2017 – Mar 2018
Greek Time	Frontend Developer	Austin, TX	Sep 2017 – Dec 2017
iPolarity	UI Developer	Piscataway, NJ	Feb 2016 – Sep 2017
E-rachit	UI/UX Developer	Bangaluru, India	July 2012 – Oct 2013

EDUCATION

🎓 **M.S** in *Electrical Engineering*, **University of South Florida**, Tampa, Florida – **2015**

🎓 **B.E** in *Electronics and Communication Engineering*, **Visvesvaraya Technological University**, India – **2012**

UI Development & Frameworks

- Developed responsive, cross-browser compatible UI component using HTML5, CSS3, and JavaScript (ES6+).
- Built and maintained scalable SPAs using React (v16–19+) and Angular (v2–20).
- Created reusable UI components using Material UI, Angular Material, and Tailwind CSS.
- Designed responsive layouts with CSS Grid, Flexbox, and Media Queries.
- Maintained scalable styles using SCSS, LESS, and CSS Modules.
- Implemented modular UI architecture with component-based design principles.
- Migrated legacy AngularJS apps to modern Angular for improved performance and maintainability.
- Translated design prototypes from Figma, Adobe XD, and InVision into production-ready UIs.
- Ensured pixel-perfect implementation aligned with UX specs and brand standards.
- Developed Progressive Web Apps (PWAs) with service workers and offline support.

State Management and Data Handling

- Implemented complex application state using Redux, NgRx, and RxJS.
- Managed asynchronous data flows with Redux Thunks, Effects, and Observables.
- Integrated frontend components with RESTful, GraphQL APIs.
- Used AJAX, JSON, and XML to handle form submissions and real-time data sync.
- Connected to cloud-hosted APIs via Firebase, AWS, and Google Cloud Platform (GCP).
- Utilized WebSockets and event-driven patterns for live data updates.

Accessibility & Inclusive Design

- Ensured full accessibility compliance with WCAG 2.0/2.1/2.2 and Section 508 standards.
- Embedded ARIA roles, semantic HTML, and keyboard navigation across components.
- Conducted accessibility audits using tools like Axe, Lighthouse, JAWS, and NVDA.
- Refactored legacy UIs to support modern screen-reader accessibility and inclusive experiences.

Performance & Optimization

- Implemented lazy loading, code splitting, and dynamic imports to boost app performance.
- Used Google Lighthouse and Chrome DevTools to optimize performance and SEO.
- Applied tree shaking and memoization techniques to reduce bundle size.
- Used debounce, throttle, and caching strategies for efficient data fetching.
- Architected frontend apps to support micro frontend and domain-driven structures.

Testing & Quality Assurance

- Wrote unit and integration tests using Jest, Mocha, Karma, and Enzyme.
- Automated end-to-end tests with Cypress and Protractor for UI regression coverage.
- Practiced Test-Driven Development (TDD) to ensure functional completeness and reliability.
- Implemented snapshot and mock service testing for faster validation of UI changes.
- Set up testing pipelines in CI/CD environments for automated validation.

Tools, DevOps & Collaboration

- Used VS Code, Postman, Swagger, and GraphQL Playground for daily development and API testing.
- Debugged applications using Chrome DevTools, Redux DevTools, and Angular DevTools.
- Created custom CLI scripts to automate repetitive frontend tasks and code scaffolding.
- Created and maintained internal documentation for shared UI libraries and APIs.
- Used Git and GitFlow for version control in a collaborative team environment.
- Streamlined Git workflows with pull requests, code reviews, and feature branches.

Cloud, Deployment & Integration

- Deployed frontend apps using AWS, GCP, and Firebase Hosting.
- Built containerized builds using Docker for local and staging environments.
- Set up CI/CD pipelines with GitHub Actions, Jenkins, and GitLab CI.
- Automated deployment workflows for smoother QA and production releases.

Collaboration & Agile Practices

- Worked closely with designers and product managers to ensure UI/UX alignment.
- Participated in Agile ceremonies including sprint planning, retrospectives, and grooming.
- Communicated technical feasibility and trade-offs during design handoffs.
- Collaborated cross-functionally to align development with business goals.

Advanced Features & Systems

- Built complex data visualizations using D3.js, Canvas API, and Highcharts.
- Integrated Firebase Authentication and Cloud Messaging for real-time app updates.
- Implemented API contract validation using Swagger, RPC Studio, and Postman.
- Architected lazy-loaded routes and feature modules for better scalability.
- Designed and deployed micro frontend systems with isolated domain ownership.
- Refined large-scale app architecture to enhance reusability, flexibility, and maintainability.