

PRATHYUSHA SAMA

Senior Frontend Developer |  prathyushasama9@gmail.com |  <https://www.linkedin.com/in/prathyushasama/>

PROFESSIONAL SUMMARY

Result-driven **Senior Frontend Developer** around 6 years of experience building scalable, high-performance, and accessible web applications using **React.js, Angular, TypeScript, and Node.js**. Expert in architecting **responsive SPAs, optimizing rendering performance**, and collaborating with global cross-functional teams to deliver enterprise-grade solutions. Adept at **micro frontends, CI/CD automation, cloud-native deployments**, and translating UX concepts into seamless, interactive experiences.

PROFESSIONAL EXPERIENCE

Citibank - Senior UI Developer | New Castle, DE, US | Jan 2024 - Present

- Architected and developed modular SPAs using Angular 16, Angular Material, and TypeScript, improving rendering speed and reducing load times by 40% through lazy loading and route-based code splitting.
- Integrated RESTful services with Angular's HTTP Client and RxJS observables to enhance data retrieval efficiency and state synchronization across dynamic views.
- Established scalable component libraries with Material Design patterns and internal UI standards, improving UI consistency across applications.
- Strengthened test automation with Jasmine, Karma, and Jest, maintaining 98% app stability and reducing regression bugs by 30%.
- Collaborated with backend and ML teams to integrate LLM APIs (OpenAI, Anthropic, Gemini) into Angular applications for seamless conversational and reasoning experiences.
- Integrated Python-based Flask/Django APIs with Angular frontends for real-time data rendering and user interactivity.

Bank of New York Mellon - Senior Frontend Engineer | Jersey City, NJ, US | Jul 2023 - Dec 2023

- Enhanced user engagement by 40% by building interactive dashboards using React.js, D3.js, and Chart.js for complex data visualizations.
- Engineered drag-and-drop workflows with React-Drivable, reducing user task completion time by 25%.
- Styled scalable UI components using SASS, Styled-JSX, React Native Web, and Material-UI to ensure pixel-perfect responsiveness.
- Built and configured middleware to handle async operations with Redux Thunk and Redux-Saga for efficient API data fetching.
- Streamlined build and deployment through Docker, Gradle, and Jenkins CI/CD, reducing release cycle time by 35%.
- Partnered with backend and DevOps teams to modernize deployment pipelines on AWS.
- Synchronized data server-side as a SPA, building a lightweight web app with efficient data flow architecture

AbbVie - Frontend Developer | Hyderabad, Telangana, India | Mar 2020- Dec 2021

- Delivered responsive and SEO-optimized Next.js React apps with secure JWT-based authentication.
- Enhanced accessibility (WCAG 2.1 AA) and performance by implementing semantic HTML and optimizing DOM rendering strategies.
- Integrated Java-based RESTful APIs with frontend applications using React.js, ensuring seamless data flow and improved UI responsiveness.
- Integrated REST and GraphQL APIs ensuring seamless data exchange between microservices and front-end modules.
- Collaborated with UX and QA to refine workflows and increase feature adoption by 30% through iterative A/B testing.
- Led migration of legacy jQuery components to React 17, reducing code redundancy by 25% and improving maintainability.
- Integrated Figma prototypes into production ready React components, improving usability scores by 25%.
- Deployed cloud-native apps on Google Cloud Platform (GCP) leveraging GKE, Cloud Run, and Cloud Build pipelines.

John Lewis Partnership - UI Developer | Chennai, Tamil Nadu, India | Jul 2018 - Mar 2020

- Designed a real-time notification system using React.js integrated with Firebase and Socket.io, enabling real-time alerts and updates for user-specific events, boosting user engagement by 40%.
- Leveraged React hooks like useEffect and useMemo to optimize real-time data fetching in React applications, achieving upto a 30% reduction in API calls during peak usage periods.
- Implemented unit testing, code reviews, and CI/CD integration to enhance frontend development quality.
- Configured an AWS Lambda function triggered every 15 minutes, leveraging CloudWatch for scheduling and monitoring, S3 for data storage, and IAM for access management.
- Conducted rigorous unit testing, code reviews, and CI/CD integrations, ensuring high code quality and maintainability.

EDUCATION

Master of Science in Computer Science
University of Missouri Kansas City, MO, USA

Jan 2022 - May 2023

TECHNICAL SKILLS

Frontend: HTML5, CSS3, JavaScript, TypeScript, ReactJS, AngularJS, Angular 2–16, Next.js, Vue.js, Svelte

UI Libraries: Material-UI, Angular Material, Tailwind CSS, Bootstrap, Styled Components, SASS, Emotion

Build Tools: Webpack, Babel, Gulp, Vite, Gradle, NPM, Yarn

Testing: Jasmine, Karma, Jest, React Testing Library, Cypress, Mocha, Chai, Protractor

Backend / APIs: Node.js, Express, GraphQL, REST, JSON, gRPC

Databases: MySQL, PostgreSQL, MongoDB, DynamoDB, Cassandra, Redis

DevOps / Cloud: AWS (EC2, S3, Lambda, IAM), GCP (GKE, Cloud Run, Cloud Build), Azure, Docker, Kubernetes

Version Control / CI/CD: Git, GitHub, GitLab, Bitbucket, Jenkins, SonarQube

Design / Tools: Figma, Adobe XD, Sketch, JIRA, Confluence

Methodologies: Agile, Scrum, TDD, BDD

CERTIFICATIONS

AWS Certified Developer – Associate

Angular Certified Developer

Microsoft Certified: Azure Fundamentals (AZ-900)

ACHIEVEMENTS

- Reduced page load time of Citibank's internal UI by **40%**, directly improving transaction throughput.
- Delivered a **cross-framework migration strategy** from React 16 to 17, adopting concurrent features and React Query.
- Recognized as **Top Performer of the Quarter** for outstanding delivery of FinTech dashboard modules.
- Co-led an internal 'Frontend Guild' to share best practices in performance, testing, and boosted shared component reuse by 20%.