

Mahesh Sivangi

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Summary

- Senior Frontend Engineer and React Developer with 7+ years of experience building scalable, enterprise-grade applications for fintech and trading platforms, specializing in React.js, TypeScript, JavaScript (ES6+), and Node.js-based ecosystems with a focus on modern UI development and complex interactive workflows.
- Deep expertise in React.js and TypeScript for building robust, component-driven frontend architectures, including reusable UI libraries and scalable design patterns that support large-scale, high-performance applications.
- Proven track record designing and implementing complex frontend workflows — approvals, limit changes, grading actions, monitoring systems, and facility lifecycle operations — aligned with business-critical processes and seamless user experience.
- Strong hands-on experience in API integration across RESTful APIs and real-time services (WebSockets), enabling dynamic, data-driven interfaces with efficient frontend-backend communication in microservices environments.
- Advanced state management proficiency using Redux, Context API, and RxJS, handling complex asynchronous workflows and event-driven UI systems with high stability and responsiveness.
- Expertise in frontend engineering best practices including code splitting, lazy loading, memoization, and efficient rendering strategies to ensure optimal performance and responsiveness across devices.
- Collaborative team player experienced working with business stakeholders, backend teams, and QA in Agile/Scrum environments to deliver modern UI development solutions in fast-paced production systems.

Skills & Certification

Frontend Engineering & Frameworks: React.js, TypeScript, JavaScript (ES6+), Node.js, Angular

API Integration & Backend: RESTful APIs, GraphQL, WebSockets, Microservices Architecture

Modern UI Development: HTML5, CSS3, Tailwind CSS, Bootstrap, Material UI, Responsive Design

State Management: Redux, Context API, RxJS

Databases: MySQL, PostgreSQL, MongoDB, Redis, SQL Server, NoSQL, Data Modeling

Cloud & DevOps: AWS (EC2, RDS, S3, Lambda, API Gateway, CloudFront, CodePipeline), Docker, Kubernetes

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

Testing & Quality Assurance: Jest, React Testing Library & Unit Testing

Collaboration & Tools: Agile/Scrum, Jira, Confluence, VS Code

Certification: AWS Certified Cloud Practitioner: [\[Credential Link\]](#)

Work Experience

SwedBank

Aug 2024 – Present

Software Engineer (Senior React Developer) - Contract

USA

- Owned end-to-end frontend architecture for a cloud-native trading analytics platform using React and TypeScript, Node designing scalable component-driven systems and implementing reusable UI workflows for portfolio analytics, approvals, monitoring, and onboarding, ensuring consistency, maintainability, and seamless user experience
- Engineered real-time, data-driven UI systems using WebSockets and RxJS Observables to handle high-frequency financial data streams, enabling sub-second updates and seamless user experience across trading dashboards
- Implemented secure authentication and authorization mechanisms using JWT and OAuth2, ensuring protected access to sensitive financial data and enforcing role-based access control across multiple application modules
- Optimized application performance using techniques such as lazy loading, memoization (useMemo/useCallback), and code splitting, improving rendering efficiency, reducing load times, and enhancing dashboard responsiveness
- Collaborated closely with backend teams to design, integrate, and optimize RESTful APIs, improving data synchronization, reducing payload sizes, and ensuring efficient frontend-backend communication in a microservices architecture

- Designed and delivered high-performance **React.js** applications for fintech trading platforms, building scalable, data-intensive UI systems and reducing UI-related bugs by **30%**, improving trader productivity and operational efficiency
- Built complex **UI workflows** for trading actions, approvals, and analytics dashboards, enabling real-time decision-making and seamless user interaction aligned with business processes
- Integrated **RESTful APIs** and **WebSocket** streams to support real-time market data (NSE, BSE, MCX), achieving sub-second updates critical for high-frequency trading environments
- Implemented advanced state management using **Redux** and **RxJS**, handling complex asynchronous data flows, event-driven updates, and high-volume transactions with improved stability and responsiveness
- Developed interactive dashboards using Chart.js and D3.js to visualize trading analytics, alerts, and market trends, increasing feature adoption by **40%** among active users
- Designed reusable component libraries and scalable UI architecture, improving development efficiency, maintainability, and consistency across multiple frontend modules
- Collaborated with product managers, backend engineers, and QA teams in **Agile/Scrum** environments to translate business requirements into scalable, high-impact UI solutions

- Developed and maintained enterprise UI dashboards using Angular and modern JavaScript frameworks, supporting large-scale internal systems and improving analytics visibility for business users
- Migrated large portions of the frontend codebase from JavaScript to **TypeScript**, reducing runtime errors by **45%**, improving code quality, scalability, and long-term maintainability
- Integrated **RESTful APIs** to support real-time account management, onboarding workflows, and transactional systems, improving response times by **20%** and enhancing user experience
- Built reusable UI components and optimized frontend performance by refining API contracts, reducing payload sizes, and improving rendering efficiency across multiple modules
- Collaborated with cross-functional teams to deliver features in Agile environments, contributing to sprint planning, debugging, and continuous improvement of frontend systems

Education

Master of Science in Computer Science

May 2025

Southern Arkansas University, Magnolia, AR

Projects

Breeze – Trading Platform UI

- Built a high-performance **trading UI** for Indian exchanges (NSE, BSE, MCX, NCDEX, NSEL) using **React**, **TypeScript**, and Tailwind CSS, designing reusable, accessible components and scalable frontend architecture
- Developed real-time data streaming using **WebSockets and RxJS Observables**, enabling sub-second price updates, smooth chart rendering, and responsive user interactions for trading workflows
- Implemented **stateful UI patterns** using RxJS Subjects/BehaviorSubjects to manage complex asynchronous data flows, reduce redundant API calls, and improve rendering efficiency
- Designed secure **JWT-based authentication flows**, handling session management and protecting sensitive financial data across user interactions
- Built interactive trading dashboards and visualizations using **Chart.js/D3.js**, supporting real-time analytics, alerts, and decision-making workflows
- Tech: React, TypeScript, RxJS, Tailwind CSS, WebSockets, JWT, Chart.js, D3.js

CryptoTrack- Cryptocurrency Tracking Application

- Built a cryptocurrency tracker with **search, watchlist, portfolio, and interactive charts** using **Next.js, React, and TypeScript**.
- Implemented a **coin search feature** using AWS S3, Lambda, and API Gateway, enabling efficient, serverless data retrieval.
- Deployed the platform on **AWS EC2 and Amplify**, ensuring scalability, availability, and fast content delivery.
- Tech: Next.js, React, TypeScript, Tailwind CSS, AWS (S3, Lambda, API Gateway, EC2, Amplify), Chart.js/Recharts