

SIVASANKAR SIVALINGAM

Senior Frontend Engineer

React | Angular | Javascript

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Chennai, India

Lead Frontend Engineer with 10+ years of experience in architecting robust enterprise applications for global clients, possessing a diversified skillset in the frontend ecosystem. Proven track record of technical leadership in developing applications in Micro-Frontends (MFE) using React, Module Federation, and Design Systems. Adept in requirement analysis, effort estimation, stakeholder management, and cross-functional collaboration. Highly adaptive and proficient in the Agile Scrum methodology.

EXPERIENCE

SENIOR ASSOCIATE, COGNIZANT

Dec 2022 to Present | 3 yrs 2 mos

Clients: Verizon (US) & US Bank (US)

React, Redux Saga, MFE, Design System, Copilot.

- Spearheaded the migration of a monolithic "Assisted application" into a Micro-Frontend architecture, increasing development velocity for bi-weekly release.
- Led a performance overhaul initiative, optimizing the application by reducing the initial load time for React components to under 3 seconds through aggressive code splitting and asset optimization.
- Defined coding standards and architectural patterns for a team of 5+ developers. Conducted code reviews and enforced unit test coverage using TDD framework Jest with React Testing Library.
- Integrated Generative AI tools into the development workflow, automating boilerplate code generation and unit test creation, which improved code quality and reduced tech debt.
- Championed Agile practices through sprint planning, backlog grooming, and daily stand-ups, aligning delivery with business objectives.

TECH SKILLS

- React
- Redux Saga
- Angular
- JavaScript
- TypeScript
- GQL
- Jest
- HTML5
- CSS3
- Material UI
- Tailwind
- Bootstrap
- Accessibility
- Next.js
- Webpack

CERTIFICATION

edureka!

Edureka certified:
Angular Developer
Certificate ID: AY6HZ487



Microsoft certified:
Specialist Programming in
HTML5 with JavaScript &
CSS3.
Certificate ID: F642-5791



W3schools certified:
Bootstrap Developer
Certificate ID: 10438687

TECHNICAL LEAD, HCL

Dec 2020 to Dec 2022 | 2 yrs

Client: Roche (Switzerland/US)

Angular, TypeScript, Material UI, React, Redux, GQL.

- Design System Implementation: Architected a reusable Angular & Material UI based component library, standardizing the UI across 5+ applications and ensuring strict adherence to WCAG accessibility compliance.
- Developed responsive, reusable UI components, optimizing performance for Learn & Digital Lab projects by establishing a clean code culture.
- Led the rapid prototyping of Proof of Concepts using React and GraphQL, successfully validating business requirements that secured new pilot projects.
- Partnered with cross-functional stakeholders to analyze requirements and propose efficient technical guidance aligned with product architecture.
- Managed defect triage processes, driving timely resolution and maintaining high product stability and user experience.

INFORMATION TECHNOLOGY ANALYST, TCS

Mar 2015 to Dec 2020 | 5 yrs 9 mos

Client: Delta Airlines (US)

Angular, TypeScript, RxJS, HTML5, CSS3, Bootstrap.

- Drove seamless API integrations to develop high-traffic modules like FlightStatus and MyTrips for Delta.com, translating complex business requirements into robust technical solutions.
- Developed functional, responsive, and reusable UI modules adhering to design patterns and compliant with WCAG accessibility standards.
- Implemented API integrations and content services for dynamic data rendering, ensuring seamless user experience across browsers.
- Contributed to coding standards and conducted peer code reviews to reduce production bugs and technical debt.
- Integrated unit test cases and trained team members to enhance best practices.

Client: Virgin Atlantic (UK)

HTML5, CSS3, Bootstrap, Angular, TypeScript.

- Developed responsive UI components based on UX for Integrated Development Platform for Air4 Project.
- Implemented accessibility and fixed cross-browser compatibility issues for the UI components.
- Authored and managed content in Author instance for 5PL White Label project.
- Worked on migration of Book a Flight module from legacy code to Angular.
- Fixed bugs and refactored code to improve reliability and maintainability.

Gen AI

- Prompt Engineering
- GitHub Copilot
- Cursor
- Gemini

TOOLS USED

- Git
- Figma
- Jenkins
- SonarQube
- Storybook
- NVDA Accessibility
- Kibana
- Postman
- Jira
- Confluence

SOFT SKILLS

- Design Thinking
- Leadership
- Defect Triage
- Cross-functional Collaboration
- Mentorship

ACHIEVEMENTS

- Vibe Coding: Honored to be a contributor for Cognizant's Guinness World Records™ title achievement in a Generative AI Hackathon, developing an AI driven solution using Cursor and LLMs.
- Completed HCL ACE program on building UI KIT Library using Web Components.
- Recipient of the "Innovation Pride Award" at Delta 5K Innovation Challenge for optimizing crew management workflows.
- Awarded the "Special Jury Mention Award" in Digital Exponential challenge conducted by TCS Research and Innovation Team.
- Won Digital Champion award for generating multiple pilot projects through TCS TTH Innovation Program using Design Thinking.

EDUCATION

- B. Tech, Mechanical Engineering
Sri Manakula Vinayagar Engineering College, Puducherry.