Santhanakrishnan M
Specialist Programmer | React.js Expert
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Professional Summary

Frontend Developer with **5+ years of experience in React.js, Vue.js, and Next.js**, specializing in building high-performance **applications that load 40% faster** and meet WCAG 2.1 accessibility standards. Adept at **developing reusable components**, integrating AI models for automation, and improving **developer efficiency** through modern tools and frameworks. Recognized for **outstanding performance** and **high client appreciation**.

Technical Skills

- **Frontend Technologies:** React.js, Vue.js, Next.js, JavaScript (ES6+), TypeScript, CSS, HTML, LESS, SCSS

- **UI Frameworks & Libraries:** Web Components, Electron, Element plus, Tailwind CSS, Shadcn, Radix UI, Material-UI

- **State Management:** Zustand, Redux, Context API, Vuex

- **Build Tools & Testing:** Vite, Webpack, Playwright, Cypress, Jest

- **Performance Optimization:** Lighthouse, Code Splitting, Lazy Loading

- **AI & Automation:** Python, Node.js, OpenAI, TensorFlow, Firebase

- **Version Control & CI/CD:** Git, GitHub Actions, Netlify, Vercel

- **Database & Backend:** Firebase, Node.js, REST APIs

- **Other Tools:** Figma, Postman

Professional Experience

Specialist Programmer

Infosys | 05/2022 – Present | Bangalore, India

- Increased page load speed by **40%** through **optimized asset bundling, lazy loading, and caching strategies**.
- Led accessibility audits, ensuring **100% WCAG 2.1 compliance**, improving usability across diverse users.
- Spearheaded the **conversion of 20+ Vue components into web components**, **reducing development time by 30%** and enhancing UI consistency.
- Implemented Playwright for end-to-end testing, **reducing UI defects by 50%** and **achieving 95% test coverage**, improving product stability and user experience.
- Migrated frontend applications to **Vite**, achieving **3x faster build times** and enhancing developer productivity.

Frontend Developer

Amex Technologies | 10/2019 – 05/2022 | Chennai, India

- Developed **30+ enterprise applications**, ensuring **responsive, accessible, and pixel-perfect UI/UX**.
- Translated **100+ UI/UX designs** into fully functional web applications.
- Optimized frontend performance, reducing initial load times by **25%** through efficient asset management.

Projects & Contributions

- **JSON Visualizer:** https://json-visualize.netlify.app - A Next.js-based tool for developers to visualize JSON data efficiently.
- **Kanban Board:** https://sandykanbanboard.netlify.app - A feature-rich task management board.
- **Allergic Identification PWA:** https://allergicdetection.netlify.app - AI-powered allergen detection from product labels.
- **Data Converter:** https://dataconverter.netlify.app - Converts tabular data to SQL queries.
- **Frontend Blog:** https://thedailyfrontend.com - Covers frontend technologies and automation.
- **Frontend Tools App:** http://tools.thedailyfrontend.com - A collection of essential frontend tools.

Hackathons & Recognitions

- **STG Makeathon: Edition 15 (2023)** – Participated and contributed innovative solutions.
- **HackerEarth's InCode (2023)** – Shortlisted idea and completed a working prototype.
- **STG Makeathon: Edition 17 (2024)** – Developed an AI-powered allergen detection PWA that reached the final round, leveraging Next.js and TensorFlow.
- **Recognitions:**
  - Awarded **Outstanding Performance** for technical contributions.
  - Earned **high client recognition** for innovation and problem-solving.

Education

Master of Computer Applications (MCA), Madras University | May 2019

Bachelor of Computer Applications (BCA), Thiruvalluvar University | May 2017

Certifications

Infosys Certification

- Infosys Certified React Professional
- Infosys Certified Front End Web Developer

FreeCodeCamp Certification

- Responsive Web Design
- JavaScript Algorithms and Data Structures
- Front End Libraries

Soft Skills

- Leadership & Mentorship
- Problem-Solving & Debugging
- Agile & Scrum Methodologies
- Collaboration & Communication