NAGESHWARA SAIRAM

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SUMMARY

Frontend Engineer with 5+ years of experience working with JavaScript, React, React Native, and Ember.js, delivering user-centric, accessible SaaS applications with a strong focus on performance, usability, and accessibility

WORK EXPERIENCE

Software Engineer, Spectro Cloud   **May 2023 - Present**

- Visualized module circular imports with Madge and resolved them to reduce bundle size in Spectro Cloud Palette in Vite build, significantly improving load times and application performance.
- Increased code coverage by 10% by implementing automated end to end testing with **Playwright** including visual testing.
- Developing reusable common API layer library using axios and react query core with cache management for UI apps

Frontend Engineer Intern, Spectro Cloud   **June 2023 - September 2023**

- Single-handedly migrated of Spectro Cloud's open-source documentation site from Gatsby GraphQL API to **Docusaurus** in 10 weeks, achieving 100% Lighthouse score across SEO, website performance, accessibility with unit tests for code quality
- Improved user experience by introducing a new UI, dark mode, documentation versioning, contextual search, and reduced build times, along with automating API documentation using the Open API docs plugin with swagger JSON.
- Addressed critical Gatsby bugs and streamlined deployment processes with CI/CD for search crawlers on Netlify and **AWS**, contributing to outstanding improvements in SEO, performance, and accessibility.
- Created Docusaurus and Remark plugins for advanced MDX components, supplanting Gatsby GraphQL dependencies

Senior Frontend Engineer, Flipkart   **Mar 2021 - Aug 2022**

- Spearheaded a collaborative revamp of EMI page User Interface in Flipkart app, transitioning from **React** to **React native** and React Server-side pages in a micro frontend setup, increasing EMI adoption by 20% with A/B experimentation.
- Crafted a user-friendly Credit Dashboard for Flipkart Fintech using React WebView, driving a 15% increase in credit card adoption and a 10% growth in lending products through adept technical and customer engagement skills.
- Led the frontend design and development of Flipkart's Pay Later and credit card referral reward feature, culminating in over 10,000 Pay Later and 1,000 credit card sign-ups via referrals, showcasing leadership and user engagement.
- Orchestrated migration of UI infrastructure from traditional EC2 instances to a **Docker** containerization, and **Kubernetes** integrating Grafana for monitoring and analytics, significantly enhanced scalability during Big Billion Day

Software Engineer, Freshworks   **Jun 2018 - Mar 2021**

- Developed the Freshchat away experience featuring automated replies in sync with agent availability across time zones via **WebSockets** using **Ember.js**, achieving a rapid adoption by 2500 customers with Ember i18n for multilingual support.
- Implemented Google Calendar integration within Freshchat using Ember.js and Java, enhancing customer convenience by enabling direct meeting scheduling with agents and reducing dependence on external applications.
- Optimized web application efficiency by implementing an intersection observer **Ember** NPM add-on, minimizing frontend to backend API calls by 30%, thereby enhancing performance and reducing load times by 2 seconds

SKILLS

Languages: JavaScript, HTML, CSS, GoLang, TypeScript, SQL

Front-end: Vue, Nuxt.js, React, React Native, Next.js, Ember.js, Docusaurus, Gatsby, Three.js, ,SASS, Redux, D3.js, Webpack, Vite

Backend: NodeJS, Gin, Express.js, MySQL, PostgreSQL, Redis, Gin, Flask

DevOps: AWS, Docker, Jenkins, Git Actions CI/CD, Nginx, Linux, Terraform, Kubernetes

Testing: Qunit, Jest, Puppeteer, React Testing Library, Enzyme, Playwright

EDUCATION

Masters in Computer Systems Engineering, Northeastern university, Boston.   **April 2024**

Bachelors in Information Technology, Anna University, Chennai   **April 2018**

PERSONAL PROJECTS

Nike 3D Customizable Shoe - Link   **Mar 2023**

Developed Nike 3D Customizable Shoe web app using React.js, Three.js WebGL for creating interactive 3D shoe customization.

Love and Thunder - Link   **Dec 2023**

Developed an action-adventure 3D game with power ups and spells in Unity and C#