

Srinivasa Rao Dasari

Lead UI Developer

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PROFESSIONAL SUMMARY

Experienced and results-driven **Lead UI Developer** with over 9 years of hands-on expertise in building scalable, high-performance web applications. Adept at leading development teams, architecting intuitive and responsive UI/UX solutions, and implementing cutting-edge front-end technologies. Strong track record of working with cross-functional teams to deliver seamless user experiences and achieve business goals. Strong background in JavaScript and Javascript libraries like D3.js, Highcharts and Chart.js for creating interactive data visualizations. Adept at integrating APIs, building real-time dashboards, and ensuring seamless user experiences across multiple platforms, RESTful APIs, and modern front-end technologies. Proven leadership experience in mentoring teams, performing code reviews, and driving software quality. Passionate about writing clean, maintainable code, and delivering innovative solutions to meet business needs. Strong problem-solving abilities, attention to detail, and a collaborative mindset in working with cross-functional teams. Passionate about staying up-to-date with industry trends and best practices to create modern, visually cohesive designs that meet client and user needs.

CORE COMPETENCIES

- **Web Components:** Designed and implemented reusable, custom elements using the Web Components standard (Custom Elements, Shadow DOM, HTML Templates) to create modular, scalable UI components that are framework-agnostic and easily integrated into different projects.
- Leveraged Lit to develop high-performance, declarative web components with minimal boilerplate code. Utilized features such as reactive properties, bindings, and efficient rendering with Lit's efficient update mechanism.
- Created and maintained custom HTML tags, encapsulated with Shadow DOM, ensuring that components have their own scoped styles and behavior, providing seamless integration into various applications without conflict.
- Ensured the reusability of components built with Lit across multiple frameworks (e.g., React, Vue, Angular) while maintaining consistent behavior and appearance.
- **UI Frameworks & Libraries:** React.js, Angular, Vue.js, Next.js, Nuxt.js, HTML5, CSS3, JavaScript (ES6+), TypeScript, Vue.js (2.x, 3.x), Composition API
- **State Management:** Redux, Redux Toolkit, React-Redux, Thunk, Slice-based state management, Vuex, Pinia, React Router, Vue Router
- **Libraries/Frameworks & Preprocessors:** Bootstrap, Tailwind CSS, Material UI, Vue Elements Plus, Vuetify, TailwindCSS, Bootstrap, SASS, SCSS
- **Build Tools:** Vite, Webpack, Babel, Gulp, Grunt
- **Package Managers:** npm, Yarn, pnpm
- **Databases:** MongoDB, PostgreSQL, MySQL
- **Front-End Architecture:** Modular component design, component libraries, atomic design principles
- **Testing:** Jest, React Testing Library, VitTest, Vue Test Utils, Cypress, Playwright
- **Back-End Integration:** RESTful APIs, Axios, Fetch API, WebSockets, GraphQL Api

- **Real-Time Dashboards:** Socket.io, WebSockets, Firebase
- **Data Visualization:** D3.js, Chart.js, Highcharts, Google charts
- **Performance Optimization:** Code splitting, lazy loading, service workers.
- **Cross-Browser Compatibility:** Testing across Chrome, Firefox, Safari, Edge
- **Leadership & Collaboration:** Agile/Scrum, Jira, Confluence, mentoring and coaching teams
- **Version Control:** Git, GitHub, GitLab, Bitbucket
- **Build & CI/CD:** GitHub Actions, Jenkins, Azure, AWS, GCP

Skills & Knowledge Acquisition

- Gained knowledge to develop efficient RESTful APIs using Node.js, Express.js, implementing authentication (JWT), middleware, and error handling.
- Gained knowledge develop enterprise-grade applications with a focus on modularity, decorators, and services with Nest Js
- Basic understanding of GraphQL APIs to streamline data fetching and improve performance by reducing over-fetching. Implemented queries, mutations, and subscriptions
- Basic understanding to Integrate backend systems with various databases (PostgreSQL, MongoDB, MySQL) using ORM tools like TypeORM and Mongoose
- Basic understanding of Integrate GraphQL and Apollo Client in React and Vue.js to consume GraphQL APIs. Efficiently handled state management and real-time updates with subscriptions.

PROFESSIONAL EXPERIENCE

Lead UI Developer

Vigocare – Hyderabad
01/2022 – Present

Vigocare is a Medical SAAS platform provider, offering Clinical grade Remote Patient Monitoring to help care providers, doctors and patients stay ahead of the disease progression from anywhere.

Web App: CMS(Administrator Application) is a software tool web application designed to manage, configure, and control the backend or administrative functions of a system/mobile, or platform. Manage users (create, edit, delete), Assign roles and permissions, Monitor user activity, View system or website statistics, Generate reports on key metrics, Set up email or push notifications for system alerts, Manage automated messages to users, Create different levels of administrative access for team members, Monitor system security

Tech Stack: Reactjs, Nodejs, vuejs, python, mongodb, PostgreSQL

Web App: Nursing Station

Remote Patient Monitoring (RPM) refers to the use of technology to monitor and collect medical data from patients outside of a traditional healthcare setting, often in real-time. It allows healthcare providers to track patients' health remotely, which can be especially beneficial for managing chronic conditions, post-surgical recovery, and preventative care.

Vital signs (e.g., blood pressure, heart rate, respiratory rate, blood oxygen levels)

ECG data (for heart health)

Tech Stack: Vuejs, Nodejs, python, mongodb, PostgreSQL, Websockets

Technologies Involved: Wearable devices, Home medical devices, Mobile App, Web App, Cloud-based platforms for healthcare professionals to access patient data remotely

Web App: ECG(electrocardiogram) full disclosure typically refers to the comprehensive interpretation and detailed analysis of an individual's ECG report. It would involve the following key components: Heart Rate, Rhythm, P Waves, PR Interval, QRS Complex, ST Segment, T Waves, QT Interval, Axis, Abnormalities/Findings

Tech Stack: Vuejs, Nodejs, python, mongodb, PostgreSQL

Roles and responsibilities:

- Lead the front-end development and technical architecture for a suite of customer-facing applications, impacting users.
- Developed dynamic and responsive web applications using **React** and **Redux Toolkit** to manage global state, resulting in improved application performance and maintainability.
- Integrated **Redux** with **React** to manage complex state flows and implemented **Redux Thunks** for asynchronous actions and API calls.
- Utilized **React Router** for efficient routing and navigation, improving user experience and app scalability.
- Optimized app performance using **Redux DevTools** for debugging state changes in real-time.
- Spearheaded the design and implementation of a scalable **UI component library** using **Vue.js**, **React**, **TypeScript** and streamlining development and ensuring consistent UI/UX across all products.
- Deep understanding of Vue 2.x and Vue 3.x, including Composition API, Options API, and reactive state management.
- Familiarity with Vue Router, Vuex/Pinia (or alternative state management solutions), and other Vue-related libraries.
- Experience with lifecycle hooks, directives, and custom components.
- Utilized **D3.js** and **Chart.js** to design dynamic and real-time data visualizations, enabling users to interact with large datasets and make informed decisions.
- Designed and developed **real-time dashboards** with **WebSockets** and **Socket.io**, providing users with live updates on critical business metrics.
- Ensured the dashboard was optimized for performance, allowing for real-time updates without page reloads.
- Implemented custom charts and graphs for detailed data analysis, integrating various data sources via APIs.
- Utilized **Firebase** for real-time databases and user authentication.
- Managed a team of four front-end developers, ensuring high-quality code through code reviews, pair programming, and mentoring.
- Collaborated with product and design teams to create high-fidelity prototypes, ensuring that UI solutions were visually appealing, user-friendly, and responsive across devices.
- Improved application performance by implementing lazy loading, code splitting, and optimizing asset delivery, reducing load time.

- Led the implementation of **CI/CD pipelines** using GitHub Actions, automating the deployment process and reducing deployment errors.

Key Achievements:

- Developed reusable, scalable custom components using Web Components APIs (Custom Elements, Shadow DOM, HTML Templates) with Lit and LitElement
- Implemented a component library using LitElement, reducing development time by 30% for front-end teams
- Integrated Web Components in existing web applications to improve modularity and reusability across different platforms.
- Reduced app load time by 40% through code splitting, lazy loading, and performance tuning.
- Enhanced CI/CD pipelines with, Docker, and Kubernetes
- Successfully led migration from Vue 2 to Vue 3, improving maintainability and access to modern features like Composition API.
- Contributed to the development of a large-scale, multi-tenant SaaS platform, managing data-heavy UI with seamless interactivity.
- Successfully implemented responsive designs across multiple devices, increasing user engagement by 15%.

Senior UI Developer

Capgemini – Bengaluru

01/2018 – 12/2021

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- Lead the development of multiple high-traffic, performance-critical web applications, focusing on creating reusable and maintainable UI components.
 - Enhanced application performance by analyzing and resolving bottlenecks, leading to a smoother user experience.
 - Developed dynamic and responsive web applications using **React** and **Redux Toolkit** to manage global state, resulting in improved application performance and maintainability.
 - Integrated **Redux** with **React** to manage complex state flows and implemented **Redux Thunks** for asynchronous actions and API calls.
 - Utilized **React Router** for efficient routing and navigation, improving user experience and app scalability.
 - Optimized app performance using **Redux DevTools** for debugging state changes in real-time.
 - Spearheaded the migration of a legacy codebase from Angular 1.x to Angular 12+, improving performance by 30% and reducing technical debt.
 - Developed and maintained dynamic single-page applications (SPAs) using Vue.js, Vuex/Pinia, and Vue Router.
 - Integrated third-party libraries and APIs, enabling seamless communication between front-end and backend services.
 - Implemented state management with Vuex/Pinia and optimized data flow, ensuring consistency and reliability across multiple modules.
 - Wrote unit and integration tests using Jest and Vue Test Utils to ensure high-quality, bug-free code.

- Collaborated closely with UX/UI designers to implement responsive designs and ensure pixel-perfect UI across browsers and devices.
- Mentored a team of 5 junior and mid-level developers, providing code reviews, pair programming, and support in professional development.
- Introduced TypeScript across all frontend projects, improving code quality and scalability.
- Optimized load times and performance, reducing page load by 40% through image optimization, lazy loading, and code-splitting.
- Worked with backend teams to integrate APIs (REST) and ensure smooth data flow between frontend and backend systems.
- Implemented testing strategies, increasing code coverage to 85% with unit and integration tests.

Key Achievements:

- Refactored legacy code, resulting in a 20% reduction in technical debt and easier onboarding for new developers.
- Improved the performance of a large-scale e-commerce platform by implementing lazy loading and optimizing API calls.

UI Developer

Capgemini – Bengaluru

01/2016 – 12/2017

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- Developed and maintained web applications using Angular working in an Agile environment with regular sprints.
 - Designed and implemented complex UI components and features, ensuring accessibility and responsiveness for diverse devices and platforms.
 - Improved frontend performance by optimizing rendering performance and reducing time-to-interaction by implementing lazy loading and code-splitting strategies.
 - Collaborated with backend developers to integrate APIs, consuming data from RESTful services.
 - Contributed to the adoption of a new component library and UI kit that streamlined the development of new features and reduced design debt.
 - Maintained cross-browser compatibility and ensured mobile-first design implementation.

Key Achievements:

- Successfully implemented responsive designs across multiple devices, increasing user engagement by 15%.
- Collaborated on a customer-facing application that won "Best User Experience" award.

Senior User Interface Designer

Capgemini – Bengaluru

01/2013 - 12/2015

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- Lead the design of web applications, creating user interfaces that improved user satisfaction.

- Conduct user research through interviews, surveys, and usability testing, iterating designs based on findings.
- Designed interactive prototypes and high-fidelity UI mock-ups using tools such as iRise and HTML and CSS resulting in a 20% reduction in development time.
- Collaborated with developers to ensure seamless integration of design elements, ensuring the final product was consistent with design specifications.
- Improved the product's accessibility by redesigning components to be more WCAG-compliant, increasing user retention.
- Delivered responsive designs that adapted to various screen sizes, enhancing user experience across desktop, tablet, and mobile platforms.
- Worked closely with product managers and developers in an Agile environment to deliver design solutions within set timelines.

Junior User Interface Designer

Capgemini – Bengaluru

01/2010 - 12/2012

- Assisted in designing user interfaces for web apps, following user research and business goals.
- Created wireframes, user flows, and prototypes, conducting user testing to gather feedback for continuous improvement.
- Supported senior designers in creating design systems and maintaining consistency across projects.
- Contributed to the redesign of the company's e-commerce platform, improving conversion rates by 20%.
- Collaborated with stakeholders to translate requirements into intuitive user experiences.

Education

Master of Science in Computer Science | Osmania University | 2001 – 2002

TRAININGS

Human Factors International (CUA Course)

CERTIFICATIONS

Certified CSM –from Scrum Alliance.