

# SRINIVASAN RAVICHANDRAN

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## SOFTWARE ENGINEERING | WEB DEVELOPMENT | IT TECHNOLOGIES

Tech-savvy professional with 4+ years of experience in software engineering and ReactJS and web development verticals. Equipped with expertise in architecting frontend applications, developing UI components, and handling large data sets in UI. Unmatched strengths in maintaining application performance and scalability, debugging and writing unit tests to ensure a high-quality of products. Well-honed aptitude in integrating cutting-edge technologies like React, JavaScript, CSS, JSON, DOM, HTML5, TypeScript and project management tool like Jira.

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## VALUES OFFERED

- Applications Development / Risk Assessment
- Software Development / Process Optimization
- Project Development / Design & Code Reviews
- Strong Communication / Team Collaboration

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## PROFESSIONAL EXPERIENCE

**DataTerrain India Private Ltd**, Chennai

**01 YEARS (PRESENT)**

**Senior Software Engineer** (September 2024 to Present)

**Core Focus:** Working across hospital, mentoring, and volunteer-based applications, I've specialized in building scalable frontend solutions using React. Contributed to **multi-tenancy** architecture on the frontend, implemented **dynamic themes**, and created custom/global reusable components. This role also helped sharpen my bug-solving speed and technical agility in complex UI systems.

**ADHANAM INFOTECH PRIVATE LIMITED**, Chennai

**02 YEARS 8 MONTHS (Past)**

**Senior Software Engineer** (January 2022 to Present)

**Core Focus:** Leveraged React to design and develop user-centric web applications. Integrated efficient UI/UX design principles for seamless user experiences. Collaborated with cross-functional teams to deliver feature-rich and responsive interfaces.

**ISITHORA SOFTWARE SOLUTION**, Chennai

**04 MONTHS (Past)**

**ReactJS Developer** (September 2021 to December 2021)

**Core Focus:** The creation of modern web applications using React, with a strong emphasis on performance and user experience. Collaborated with designers to translate design concepts into intuitive and visually appealing interfaces. Utilized state management tools like Redux to enhance application stability and maintainability.

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## EDUCATION / PROFESSIONAL DEVELOPMENT

SIR ISSAC NEWTON COLLEGE, Nagapattinam

**BCA**, 2020

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## NOTABLE PROJECTS

**Diahome Caretaker Web (React JS, Bootstrap, Material UI) :**

- Created a web app for doctors to conduct consultations with patients.
- Designed the UI using React, HTML, CSS, Bootstrap, and Material UI.
- Enabled audio/video calls and chat via Agora for doctor-patient communication.
- Focused on responsive UI/UX design

**Diahome Patient Web App (React JS)**

- Developed a React app for online consultation and lab test booking.
- Integrated APIs for appointment booking and management.
- Implemented audio/video calls and chat using Agora.
- Integrated Firebase for real-time features and notifications.

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## **Mentoring Platform (React JS, Redux Toolkit, Material UI):**

- Developed a feature-rich web platform for mentor-mentee collaboration and progress tracking.
- Used React JS and Redux Toolkit for state management and dynamic UI rendering.
- Designed responsive UI components with Material UI for scheduling, profile, and session features.

## **Hospital Management System (React JS, Redux Toolkit, Material UI):**

- Built web modules for handling patient admissions, appointments, and staff operations.
- Integrated backend APIs for real-time patient and hospital data synchronization.
- Focused on responsive and user-friendly UI/UX using Material UI components

## **Multi-Tenant UI Platform (React JS, Redux Toolkit, Tailwind CSS):**

- Created a scalable frontend architecture to support multi-tenant workflows and themes.
- Managed dynamic flows and user roles using Redux Toolkit.
- Designed clean, responsive UI themes with Tailwind CSS and reusable components.
- Focused on responsive UI/UX design

## **Workbox (React, HTML, CSS, Bootstrap, Socket.IO):**

- Developed an organizational management application using React, HTML, CSS, and MaterialUI.
- Created modules for leave management, employee management, and task assignment to streamline company operations.
- Integrated real-time chat functionality using Socket.IO for seamless communication among employees.
- Focused on user-friendly design and responsive UI to enhance the overall user experience.

## **Diahome Admin Portal (React JS):**

- Developed a robust React-based admin portal to streamline employee management, enabling the creation and maintenance of employee profiles and roles.
- Implemented a flexible fee configuration system, allowing administrators to set consultation fees based on different locations, enhancing revenue management.
- Designed and integrated essential management modules, including employee slot management for appointment scheduling, attendance tracking, and leave management.
- Created interactive and informative dashboard charts to provide at-a-glance insights into key performance metrics, enhancing data-driven decision-making.

## **Diahome Lab Portal (React Js):**

- Developed and implemented a comprehensive lab portal facilitating the creation of both internal and external labs, streamlining the process of test creation and linking tests to the respective external labs
- Utilized API integration to efficiently handle tests, packages, and test-package combinations, enabling seamless management and customization of services based on user requirements.
- Implemented a priority system based on pincode, allowing for strategic allocation of resources and prioritization of orders, enhancing operational efficiency and customer satisfaction.
- Implemented a robust order management system, enabling manual status updates, ensuring accurate tracking, and providing timely notifications to users; additionally, generated detailed test reports upon completion of tests, ensuring accuracy and compliance with standards.

## **Diahome Pharmacy Portal (React Js):**

- Developed a user-friendly React-based pharmacy portal encompassing essential features, such as pharmacy, vendor, warehouse, and drug master creation.
- Implemented a robust purchase order system, allowing pharmacies to create, track, and manage orders for drug procurement from vendors, enhancing inventory control.
- Streamlined patient order management, enabling pharmacies to efficiently handle patient orders and initiate new orders from within the portal.
- Designed a responsive and intuitive user interface, ensuring ease of use and accessibility for pharmacy

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## TECHNOLOGY & TOOLS

- Frontend (HTML5, CSS3, Tailwind CSS, Next Js, React JS, JavaScript, ECMAScript 6, TypeScript, Bootstrap, RTK Query, Material UI, Daisy UI)
- Framework (Express JS)
- Operating System (Windows)
- Backend (Node JS, MongoDB)
- IDEs worked on (VS Code)
- Version Control (Git)
- Project Management (JIRA)

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## LANGUAGES

- **English** - Fluent | **Tamil** - Native