

KARUNAKARAN S

Frontend Software Engineer

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PROFESSIONAL SUMMARY

Frontend Software Engineer with 3 years of hands-on experience, specializing in building high-performance, responsive UIs using React.js, Tailwind CSS, MUI and Bootstrap. Proven expertise in REST API integration (Axios/Fetch), complex state management (Context, Hooks, Redux, Redux Toolkit), and delivering user-centric web applications under Agile methodology. Strong track record in performance optimization and improving Lighthouse scores.

TECHNICAL SKILLS

Core Frontend	- React.js (Hooks, Context, Redux, Redux Toolkit), JavaScript (ES6+), HTML5, CSS3
Styling & UI	- Tailwind CSS, Bootstrap, Material UI (MUI), Responsive Web Design
API & Data	- REST API Integration, AJAX, Axios, Fetch, JSON
Tools & Dev	- Git, GitHub, VS Code, Postman, Scrum/Agile, Unit Testing
Backend/Other	- Java, Spring Boot, MySQL, Drupal CMS

PROFESSIONAL EXPERIENCE

Software Engineer Kran Consulting Pvt Ltd	Dec 2022 – Present Trivandrum, India
<ul style="list-style-type: none">Performance Optimization: Developed and scaled complex web applications using React and functional components, improving the Google Lighthouse Performance Score from 65 to 90 by optimizing component loading and API calls.API Integration & State Management: Integrated RESTful APIs across all modules using Axios and Fetch, state using Context API and Redux Toolkit, ensuring seamless data synchronization and client-server communication.Responsive UI Engineering: Engineered and maintained a custom design system using HTML5, CSS3, Bootstrap and Tailwind, ensuring robust cross-browser compatibility and a high-quality mobile-first experience.	

Web Developer Intern Winzone Softech	May 2022 – Oct 2022 Karaikudi, India
<ul style="list-style-type: none">Collaborated on the development of full-stack web applications, gaining foundational knowledge in front-end structure (HTML/CSS/JS) and leveraging backend support with PHP and MySQL.	

KEY FRONT-END PROJECTS

Galaxy ALMS (Lifecycle Management System - React Focus)

- Led the front-end architecture for a 14-module system using React, focusing on robust state management and component reusability (built 10+ reusable UI components), significantly reducing development time.
- Integrated Java Spring Boot APIs and designed a consistent, modern UI/UX for project tracking and reporting modules.

Kran & CPart Websites (Full-Scale Application Development) [[Kran Link](#)]

- Executed complete front-end development for two production-ready web applications, from wireframing to deployment, ensuring cross-platform responsiveness and design fidelity.
- Implemented modern UI/UX patterns, directly leading to positive client feedback on usability.

SEEPZ G-Admin Modules & SmartCampus School Project (Classic Frontend Mastery) [[SEEPZ Link](#)]

- Solely responsible for the front-end implementation of multiple high-interactivity modules using HTML, CSS, Bootstrap, JavaScript, AJAX, and jQuery, ensuring consistent styling and form validation across the platform.

EDUCATION

BE - Mechanical Engineering (CGPA 8.02)

SNS College Of Technology | 2016 – 2020

LANGUAGE

- English, Tamil, Malayalam