SHASHANK SHEKHAR

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https://github.com/ShashankShekhar9839

Skills

Languages & Libraries: HTML, CSS, SCSS, JavaScript, TypeScript, React.js, Redux, Redux Toolkit, React Router, Jest, Tailwind CSS, Bootstrap, Atomic CSS, Babel, CSS Animations

Tools & Technologies: Responsive Web Design, UI/UX, Frontend, Git, Github, Agile Methodologies, JIRA, Webpack, Vite, Storybook, Zeplin, Figma, Cypress, NPM, Pivotal Tracker

Soft Skills: Leadership, Mentoring, Problem Solving

Experience

Software Development Engineer (SDE) - Cartrade Tech Limited   *May 2024 – Present*

- Managed multiple products including Oxygen , CWOPR and ES, driving efficient sprint management and ensuring timely delivery   .
- Optimized the theme library's hashing algorithm by implementing counter-based hashing for atomic class names and removing Carwale's unnecessary HTML elements, reducing DOM size by 20% and improving page load performance. .
- Created Node.js automation scripts to replace old theme classes with new ones, ensuring 100% accuracy and integrating pre-commit hooks.
- **Increased snapshot test coverage to 80%** for Oxygen Design System, ensuring component consistency and robustness
- Developed a Intellisense to assist developers by Auto suggesting theme classes for any CSS property-value pair, thereby streamlining the code review process and code quality.
- **Implemented 40+ high-priority GoLive Skin Ads Campaign tasks featuring complex CSS Animation and features** using vanilla JavaScript with template injection, ensuring cross-browser compatibility through BrowserStack testing, under time-sensitive conditions.
- Automated interactive template creation with a configurable panel, reducing creation time from 1–1.5 hours to 5 minutes and eliminating manual front-end intervention.
- Mentored junior developers in React best practices and code quality through regular code reviews, enhancing team performance and code standards.

Associate Software Developer Engineer(ASDE) - Cartrade Tech Limited   *January 2023 – April 2024*

- Improved website performance and SEO (Search Engine Optimization) by optimizing CLS and INP using Google Lighthouse, Core Web Vitals, and Chrome DevTools.
- Migrated Components to new <u>Ozone</u> **for multi-platform use of common components)** facilitating **multi-platform** use of 20+ common higher-order components, resulting in **better code maintainability**.
- Innovatively introduced a Draggable FAB component, achieving a 20% increase in click-through rates.
- **Reduced 10% DOM nodes** improving load times by 5% and enhancing performance for CarWale.
- Developed 2 new react custom hooks to track components efficiently for DOM reduction and tracking purposes
- Developed 2 Responsive Micro Sites for Cartrade using Vanilla js such as Women In Mobility Season 3 and Carwale Off-Road Day - 2023
- **Transformed 20+ PSD designs** into highly functional, responsive, and user-friendly web pages for car dealerships.
- Redesigned browser-level and JavaScript-level lazy loading for the image component, significantly enhancing load times and performance for all image components by 7% site-wide.

Project

CSS ClassName Hashing Algorithm Optimization

Optimized the Oxygen theme algorithm by transitioning from a size-hex to a counter-based approach, enhancing efficiency and maintainability. Originally developed during CarWale's hackathon, the solution was successfully integrated into CarWale, BikeWale, CarTrade, and Mobility Outlook after a year.

Education

UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY   **Kanpur U.P**

*Bachelor of Engineering in Mechanical Engineering - **8.3 SGPA***   *July 2018 – June 2022*

Achievements

- Awarded **Developer of the Month** and nominated multiple times for the honor