Sanjam Singh Kalsi

Software Development Engineer - Fullstack Developer

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Profile

Fullstack Developer with 2.5+ years of experience crafting user-centric web interfaces and performant applications. My passion lies in building intuitive and visually appealing UIs that prioritize user experience and drive engagement. I possess a strong foundation in React and SprintBoot, allowing me to adapt to project requirements and leverage the strengths of each framework. This versatility, coupled with a commitment to continuous learning, ensures I stay current with the latest advancements in frontend as well as backend technologies. Beyond technical expertise, I thrive in collaborative environments. I maintain a steadfast commitment to writing clean, maintainable, and well-documented code, fostering long-term code health and efficient collaboration within development teams.

Areas of Expertise

Software Development - Web Development - Front End Frameworks - Back End Frameworks - Data Structures and Algorithms - Single Page Applications - Responsive Design - Performance Optimization - Accessibility - State Management - Migration - Testing

Professional Experience

Programmer Analyst *(Cognizant)* **Gurgaon, IN** *08/2022 - present*

- Collaborated with Product Owners and cross-functional teams to thoroughly analyze business requirements, leading to the development and launch of **6 high-impact features**. These features boosted **user engagement by 30%**, showcasing the power of strategic planning and teamwork in driving user satisfaction and application success.
- Successfully **migrated** the company's flagship product Web App to **React v18**, ensuring compatibility with the latest features while also maintaining a high standard of code quality with 85% unit test coverage using **Jest**. This upgrade not only leveraged the newest React advancements but also provided a stable and reliable user experience through rigorous testing.
- Optimized front-end performance for faster page load times and improved user engagement by implementing **lazy loading and infinite scroll**. This resulted in an average **18% reduction** in page load time, enhancing the user experience through more efficient resource loading and smoother interactions, thereby increasing user satisfaction and engagement with the application.
- Enhanced application scalability and maintainability by implementing **Redux** for state management, which streamlined state handling and improved debugging efficiency. This resulted in a 20% reduction in bug fixing time, ensuring a more robust and resilient application architecture through the adoption of best practices.
- Developed a sophisticated microservices application using the **Spring Boot framework**, showcasing advanced proficiency in modern development methodologies. Additionally, wrote comprehensive **JUnit test cases** using Mockito to ensure high code quality and reliability, contributing to the overall robustness and maintainability of the application.
- Automated the development and deployment lifecycle for web applications using **Jenkins**, which led to a 20% reduction in deployment time. This automation not only accelerated the release process but also improved consistency and reliability across deployments.

SDE Intern *(Cognizant)* **Gurgaon, IN** *02/2022 - 07/2022*

- Learned and worked on frontend library using **React Js** for making new routes/pages and setting up a whole new UI modal.
- Contributed to ongoing maintenance and improvement of the web application through new feature development and bug resolution.
- Partnered with the client on identifying and resolving the user interface issues.

Education

B,Tech. in Computer Science and Engineering *Chandigarh Engineering College* **Mohali, India** *2018-2022*

Skills

- **Software:** proficient: JavaScript, TypeScript, React, Redux, Java ,HTML5, CSS3, Tailwind CSS, familiar: Spring Boot, ‘ Node.js, Kafka, MongoDB, Micro-Services, REST API, Postman, SQL, JUnit, Jest