SANDEEP KUMAR SINGH

Software Engineer

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🌐 Linkedin| GitHub|Portfolio

PROFESSIONAL SUMMARY

CDAC-Certified React JS Developer with **3 years** of experience designing and implementing scalable web applications for the aviation technology sector. Demonstrated expertise in building high-performance systems, developing reusable code components, and improving overall application responsiveness. Skilled in **React, Redux, and Agile methodologies**, with a keen ability to enhance user experience even under challenging network conditions.

TECHNICAL SKILLS

- **Front-End:** React JS, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS
- **Back-End:** Node.JS, REST APIs, Express, MongoDB
- **DevOps & Tools:** Docker, Git, GitHub, Azure DevOps, Webpack
- **Testing Tools:** Jest, React Testing Library (Unit/Integration Testing)
- **Methodologies:** Agile(Scrum), CI/CD, Responsive Design

PROFESSIONAL EXPERIENCE

Software Developer

Laminaar Aviation Infotech Pvt. Ltd. | *Software Engineer* **(2022 - Present)**

- **Enhanced Application Performance:** Developed multiple aviation web applications tailored for a diverse user base, optimizing overall application responsiveness using **code-splitting** and **lazy loading** techniques.
- **Reusable Component Development:** Designed a configurable form-builder using **React Hooks**, which streamlined the **front-end development** process and facilitated faster customization for cross-functional teams.
- **Testing & Quality:** Achieved **90% test coverage** with Jest & RTL, reducing post-deployment bugs by **30%**.
- **Seamless API Integration:** Collaborated with backend teams to integrate various **REST APIs**, ensuring quick and reliable data retrieval essential for real-time applications.
- **Legacy Code Migration:** Refactored legacy code into modular **React components**, improving scalability and code maintainability.

Projects: ATSM & ARMS Common Admin (react JS)

- Developed a dynamic form system using **React Hooks** and the **Context API**, which enabled rapid customization and improved overall system flexibility.
- Improved **client-side routing** and application flow using **React Router** techniques to achieve a smoother user experience.

PERSONAL PROJECTS

Portfolio Website | *Link*

- Technologies: React, ContextAPI, Tailwind CSS, Netlify, React-Router, Redux.
- **Description**: Built a **modern, responsive portfolio**, optimizing navigation and state management for an enhanced **user experience**.
- Hosted on **Netlify**, ensuring **high availability and performance**.

EDUCATION

PG-DAC | CDAC Mumbai (2022) | Mar 2022 – Sept 2022

- Specialized in **React.js, JavaScript, Spring Boot, .NET, Data Structures, and Databases**.

Bachelor of Engineering | Visvesvaraya Technological University | 2015 – 2019