

Ratna Singh

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☎ 8577050782

📍 Bangalore, India

in LinkedIn

🐙 Github

🖱 Portfolio

SKILLS

React JS, Redux, JavaScript, TypeScript, Angular HTML5, CSS3, SCSS, Jest, Jasmine and Karma

PROFESSIONAL EXPERIENCE

R&D Development Engineer

Dassault Systemes Solutions Lab

06/2023 – present

Bangalore, India

- Working as **Frontend Developer** in Materials Registration Team under BIOVIA brand.
- Transformed substance registration process by implementing a bulk registration feature, enabling users to efficiently register over 10,000 substances in less than one minute, accelerated the registration workflow by 80%, replacing the previous time-consuming one-by-one registration method.
- Elevated user satisfaction by 30% through responsive interface development, fostering a 20% increase in overall user engagement across diverse devices.
- Collaborated cross functionally with 3 different teams and UX designers, User Assistance and Backend team to successfully complete assigned tasks and deliver project goals.
- Implemented unit tests using **Jasmine and Karma** with 95% code coverage
- Ensured code quality by following coding standards and conducting code reviews.

System Engineer

Tata Consultancy Services

06/2021 – 06/2023

Bangalore, India

- Worked as **Frontend Developer** contributing to the Supply Chain Security team by developing new UI components from scratch using **React JS, Redux, and Styled Components** for various web applications.
- Achieved a 40% reduction in application loading time by implementing lazy loading for several components, significantly enhancing user engagement.
- Implemented reusable components and effectively managed application state using **Redux Toolkit**, improving overall code maintainability by 60%.
- Implemented comprehensive unit tests using **Jest**, with 90% code coverage.
- Actively participated in design discussions, contributing to the overall architectural decisions and following **Agile methodology** for timely and efficient project deliveries.

EDUCATION

Btech in Electronics and Communication

Vellore Institute Of Technology

CGPA : 8.79

07/2017 – 06/2021

Vellore, Tamil Nadu

XII

Girls' High School and College

92%

07/2015 – 07/2016

X

Girls' High School and College

85%

07/2013 – 07/2014

ACHIEVEMENTS

Awarded with the 'One The Spot' award by TCS in appreciation of the outstanding contribution to the organisation.

Solved more than 300 problems on various coding platforms(SPOJ, codechef, leetcode, hackerrank) 