

Ratna Singh

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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.
- Developed and implemented responsive user interfaces utilizing **HTML5, CSS3, Angular 10**. Ensured seamless user experiences across various devices and screen sizes by employing media queries and responsive design principles.
- Collaborated cross functionally with multiple teams including UX designers, User Assistance and Backend team to successfully complete assigned tasks and deliver project goals.
- Implemented unit tests using **Jasmine and Karma**.
- 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**
- Implemented various new UI components from scratch using **React JS, Redux, Material UI** for different web applications for supply chain security team
- Implemented lazy loading for several components which led to decrease in application loading time by 40% and enhanced user engagement.
- Implemented reusable components and managed application state using **Redux** and **Context APIs**.
- Integrated graph libraries like **Chart.js** and **D3.js** for displaying data visually.
- Designed and implemented unit tests using **React Testing Library and Jest**.
- Participated in design discussions and followed Agile methodology for deliveries.

SKILLS

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

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) [🔗](#)