

PRASANNA PRAKHAR

Software Engineer

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Software Engineer experienced in all aspects of the software development lifecycle, from inception to post-release maintenance. Achieved 100%-unit test coverage and maintained zero high critical defects. Adept at crafting efficient code and delivering engaging user experiences. Dedicated to enhancing existing projects and innovating new solutions to boost user engagement and drive growth.

SKILLS

LANGUAGES: JavaScript, TypeScript, Python, HTML, CSS, C++, C#

TECHNOLOGY/Frameworks: ReactJS, React Native, NodeJS, Redux, SQL, MongoDB, Version Control

EXPERIENCE

Software Engineer

September 2020 - Present

Shell

- Efficiently implemented micro frontends using Module Federation and Webpack for enhanced modularity and scalability, maintaining over 6 micro frontends.
- Developed reusable components with a comprehensive Storybook implementation to ensure 100% UI consistency and streamline collaboration.
- Implemented global state management using RTK Query, reducing API request times by 30% compared to previous solutions while exploring alternate options like Redux.
- Ensured feature robustness with unit test coverage exceeding 90%, leveraging Jest and React Testing Library.
- Implemented a secure login flow with JWT authentication and client-side authorization, leading to a 50% reduction in login errors, enhancing overall system reliability and user satisfaction.
- Demonstrated expertise in feature development, including debugging and issue resolution across testing, pre-production, and production environments.
- Integrated Error Boundaries to enhance exception handling throughout micro frontends.
- Embraced Agile methodologies and fostered a strong Scrum culture, collaborating closely with QA and Business teams.
- Utilized Python for a Monte Carlo simulation, identifying that 80% of incoming calls were routed to specialized representatives for dedicated customers.
- Spearheaded the development and implementation of a comprehensive Workforce Management tool across 10 countries, utilizing predictive analytics to optimize resource allocation. Crafted an interactive dashboard using the Dash framework.
- Contributed to the reorganization of various lubricants, categorizing them into 11 distinct categories based on their properties and applications, streamlining the classification process from the original 31 categories.
- Engineered 5 to 6 proof-of-concepts (POCs) and designed Power BI dashboards, wireframes.
- Crafted a comprehensive Continuous Integration (CI) pipeline and seamlessly integrated it with SonarQube and Mend for enhanced code quality and streamlined development processes.

EDUCATION

Bachelor of Engineering- Information Technology

July 2016 – August 2020

The National Institute of Engineering, Mysore
8.8 CGPA

REWARD AND RECOGNITION

- Special Recognition Award for Shell Fleet Hub
- Customer Operations CXE & eCommerce GM Awards for Workforce Management Tool

CERTIFICATES

- Microsoft Azure Fundamentals - AZ900
- Green Software for Practitioners - LFC131
- Constructs Training
- ReactJS/React Native/NodeJS/.NET