Harshal Tribhuvan

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SUMMARY

Frontend Engineer with 3.4+ years of experience in building scalable, data-driven web applications. Passionate about **UI/UX, performance optimization, and interactive data visualization.**

EXPERIENCE

Software Engineer – Ecolibrium Inc. | Jan 2022 – Present | Pune, India

- Led the frontend development and architecture of **SmartSense**, an **AI/ML-driven** Industry 4.0 IoT platform handling millions of data points daily for industries like **real estate**, **manufacturing**, and **data centers**.
- Designed and optimized **interactive dashboards** for real-time energy monitoring and analytics, improving user insights and decision-making.
- Implemented complex **data visualization components** using React.js, Redux, Recharts, and amCharts, improved dashboard performance by 50–60% through memoization, lazy loading, virtualization, and code-splitting.
- Developed an **enterprise-grade UI**, ensuring adherence to Figma designs, WCAG standards, and ARIA roles for accessibility.
- Managed code merging, maintenance, and code reviews across **staging**, **UAT**, **beta**, and **production** environments, ensuring smooth version control and minimal downtime. Collaborated with the team for final deployments.
- Enforced **best coding practices** across the team, conducting code reviews, refactoring legacy code, and implementing reusable component architecture to accelerate feature development.
- Collaborated closely with **cross-functional teams** (product, design, QA) to deliver high-quality releases on schedule.

TECHNICAL SKILLS

- **Skills** : React JS, Redux, Redux-observables, Next.js, JavaScript, HTML, MUI, SCSS/CSS, Styled-components, Tailwind-css, Bootstrap.
- **Data Visualization:** Recharts, amCharts.
- **Tools** : Git, Postman, Jira, VS code, Chrome developer tools.

EDUCATION

- **BSc in Computer Science** from Dr. D. Y. Patil ACS College, Pimpri, Pune**.** *April 2020*