Ragini Sahu

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PROFESSIONAL SUMMARY

Versatile Frontend Developer with 7+ years of experience in building responsive, scalable web applications using HTML5, CSS3, JavaScript, React JS, jQuery, and Bootstrap. Skilled in RWD, API integration, performance optimization, and delivering seamless user experiences through cross-functional collaboration.

SKILLS

PROGRAMMING

HTML5, CSS3, Less, JavaScript, jQuery, Bootstrap, ES6 Classes

Frameworks and Libraries

ReactJS, Restful API, Redux, NodeJS, GraphQL

Other Technologies

GitHub, Docker, AWS (EC2, EKS, S3, LAMBDA, DynamoDB, ECS, WAF, KMS), Chrome Extensions, Jest, Babel

WORK EXPERIENCE

React JS Developer   July 2020 - Present
TCS, Pune
Tariff Adjustment

- Enhanced pricing flow across Product Listing (PLP), Product Detail (PDP), Cart, Saved Cart, and Quote Cart pages by introducing Tariff Adjustment fields in the Price API, leading to a 25% improvement in pricing accuracy and flexibility across user touchpoints.
- Integrated new pricing attributes (netTariff, unitTariff) into the frontend by consuming an updated Pricing API response via real-time **Ajax** calls, which helped reduce pricing-related page load delays by 30%.
- Ensured data accuracy and responsive UI by validating pricing attributes from the Pricing API and applying conditional rendering with error handling.
- Worked closely with backend teams to support the inclusion of new pricing fields in the existing API structure, helping maintain compatibility with evolving business logic and boosting API reusability by 40% across multiple modules.

Global Field Devices

- Developed an interactive Compare Bar and Comparison Page for Aerospace spare parts — modeled after BestBuy's comparison interface — enabling users to compare up to 5 items side-by-side, which improved product decision time by ~35% based on user testing feedback.
- Implemented a dynamic UI toggle between grid and tabular views using **React** and **Redux** for the first 100 products, resulting in a 20% boost in user engagement and enhancing the flexibility of data visualization across devices.
- Built reusable product card and table components with consistent styling, pagination, and conditional rendering logic, enabling seamless view switching without additional API calls, which helped reduce frontend load time by ~25%.
- Optimized performance for large datasets by memoizing product components and applying lazy loading, cutting initial rendering time by 40% and ensuring a smooth user experience even with high-volume product data.

Aero-Hybris

- Built a responsive UI for aerospace spare parts using **React, HTML5, and CSS3**, boosting engineering efficiency by 30%.
- Set up CI/CD pipelines with GitHub Actions and Docker, automating 100% of deployments and cutting release time by 60%.
- Crafted scalable frontend architecture with React + **Redux** Toolkit, reducing code duplication by 50% and easing onboarding.
- Improved app stability via automated UI testing (Jest, RTL, Cypress) and integrated secure APIs (REST/GraphQL, OAuth, JWT).

Assistant System Engineer   Apr 2018 – Jun 2020
TCS, Pune

- Developed automation tools using VBA and M-script for verification and validation of Simulink models.
- Contributed to the development of an LZ77 data compression tool for encoding and decoding of MOT files.
- Collaborated with cross-functional teams to understand requirements and design, implement, and test complex models.
- Conducted peer code reviews to ensure high-quality code and adherence to coding standards.
- Participated in project planning, estimation, and risk management activities.

EDUCATION & ACHIEVEMENTS

Bachelor of Computer Science Engineering

Chhattisgarh Swami Vivekanand Technical University, Bhilai   *June 2013 — June 2017*

Service & Commitment Award: Recognized for outstanding performance.

PERSONAL PROJECT

Live Crypto/Stock Tracker Dashboard

- Built a real-time Crypto Tracker Dashboard using React JS, Redux, and AWS, displaying live price updates from CoinGecko APIs with configurable auto-refresh intervals and a sleek, dark-mode responsive UI.
- Integrated AWS Lambda + API Gateway as a backend proxy layer to securely fetch external API data and hosted the entire application on AWS S3 + CloudFront for global scalability and low-latency delivery.
- Implemented a dynamic watchlist feature with both local and cloud state persistence, enabling users to customize and track their favorite cryptocurrencies with seamless UI interactions and global state management via Redux.