Tirth Patel

Software Engineer

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TECHNICAL SKILLS

Technologies: JavaScript (ES6+), TypeScript, HTML5, CSS3, SCSS, RESTful API
Frameworks: React.js, Nivo based on D3.js, Selenium, Handlebar.js, Tailwind CSS
Developer Tools: Git, Github, JIRA Project Management Tool, Fabricator, Postman, VS Code
Familiar With: Redux, Node.js, Core Java, MySQL

EXPERIENCE

Accenture | Software Engineer   July 2021 – Present

Client: GMA   *Bangalore*

- Played a pivotal role in developing the **Generative Market Analysis (GMA)** product which is part of Accenture's Gen AI capabiilty, enabling Oracle Cloud Infrastructure with real-time market research updates, executive strategy briefings, and on-demand strategic insights.
- Spearheaded the **front-end development** of a high-performance, responsive UI for the GMA tool using **React.js** and **TypeScript**, that helped leadership enhance proposal initiation and project execution by providing tailored growth strategies through detailed data analysis to address specific client needs.
- Optimized application performance through the strategic implementation of **lazy loading, code splitting, custom react hooks**, resulting in a substantial **30**% improvement in initial load time, ensuring a seamless user experience and enhancing user engagement.
- Integrated **Nivo network graphs based on D3.js** for enhanced data-driven insights on industry trends and sources, which help reduced decision making time for leadership by **20**%.
- Developed reusable UI components adhering to **WCAG 2 Level AA** accessibility standards and **BEM** methodology using **semantic HTML**, CSS, JavaScript contributing to a more inclusive product and reducing code maintenance time.
- Developed a component tracing feature in the Fabricator UI toolkit, enabling identification of 300+ components across 100+ pages, reducing search time by **25**% and streamlining team workflows.
- Collaborated with backend team to implement a real-time data communication system using **WebSocket** and React Chatbot Kit library, integrating Accenture CORE DB and OpenAI API. This solution ensured seamless, **bidirectional** communication while mitigating CSRF vulnerabilities and safeguarding data protection.

Client: British Telecom   *Bangalore*

- Led a team in executing comprehensive end-to-end test scenarios for the Voice product, identifying and reporting **12**+ critical business defects.
- **Automated test cases** using CATS tool to streamline regression testing, significantly reducing testing time.

ACADEMIC PROJECTS

The Blogger | *React.js, JavaScript* | *Github Link*   January 2021

- Developed a React-based blog platform where users can create, update, and delete blogs. Utilized mock **JSON Server** and **RESTful API**, ensuring a seamless user experience.

Twitter Sentiment Analysis | *Streamlit, Python* | *Github Link*   December 2020

- Built a Streamlit app using **Python** and the Twitter API for real-time sentiment analysis, categorizing tweets and identifying frequently used **positive and negative words** for deeper insight into text data.

ACHIEVEMENTS

Accenture Celebrates Excellence Skills Star Award: For consistently applying New IT Skills for impactful business outcomes and positioning Accenture for future growth.
Actively innovate: Received recognition for excelling in speed and precision, significantly improving app performance, and consistently providing crucial support during critical moments.

EDUCATION

Gujarat Technological University   Ahmedabad
BE in Computer Engineering | *9.25 CGPA*   *July. 2017 – May 2021*