Sandesh Kandukuri

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Accomplished Software Development Engineer with expertise in React, Node.js, JavaScript, Cloud technologies and Firebase. Skilled in state management, user authentication, and responsive design. Demonstrates efficiency in optimizing development processes and enhancing user experience. Dedicated to problem-solving and continuous learning, seeking to drive innovation in a forward-thinking tech environment.

EDUCATION

Masters of Science in Computer Science January 2023 – January 2024
York St John University, 1 CloveCres, London, **CGPA:** 7.2/10
 Percentage: 76%

Bachelors (2016 - 2020)
Bharath Institute of Technology, Ibrahimpatnam, Hyderabad

SKILLS

Programming Language: JavaScript, TypeScript, Node JS, Python

Web Dev: HTML, CSS, Bootstrap, Tailwind CSS, Material UI, React Js.

Areas of Interest: Problem Solving, DSA, Analytical thinking.

Others: MongoDB, Firebase ,Rest API, GraphQL ,Next JS, Flask, React Query, Redux ToolKit

Tools: Git, GitHub, VS Code, Sublime Text, Jira, Trello

WORK EXPERIENCE

1. Software Development Engineer | 3NS.ai | London
Crypto Price Project

May 2024 – Present

- Integrated LiveCoinWatch API for real-time cryptocurrency price data, enabling dynamic and customized tracking of price movements.
- Developed a backend API that requests analysis from ChatGPT API, displaying the analysis dynamically on the frontend.
- Implemented a color-coded UI that reflects price changes (increase or decrease) based on real-time API data.
- Designed, integrated, and rigorously tested authentication APIs for secure user login, including frontend UI development for authentication workflows.
- Created admin features allowing for editing and saving the analysis via the frontend, ensuring updated data is visible to all users.
- Developed an API for storing user profile pictures in AWS S3 and integrated it with the frontend for seamless image upload and display.
- Focused on frontend development to improve the user experience in price display, authentication, and admin interaction.

Web3 Domain Project

January 2024 – Present

- Worked on Firebase Cloud Functions which interact with the web3 packages based on changes in the firestore collection.
- State management was accomplished using Redux Tool Kit allowing efficient handling of the data across application.
- Implemented user authentication and authorization using Firebase Authentication, ensuring secure access to application resources and personalized user experience.
- Developed Home Page, Log In/Sign Up pages with mobile first approach ensuring responsive design principles.
- Designed and developed API's in python flask backend and integrated them in the frontend streamlining the testing cycle by 30% due to unified backend and frontend collaboration

2. Software Development Engineer | QuikieApps | Bangalore | India
Emergency Medical Services

June 2022 – Nov 2022

- Facilitated seamless interaction among Super Admin, Providers and Para-Medic Staff.
- Implemented Context API for efficient State Management, thereby greatly enhancing code maintainability and scalability.
- Leveraged Google Firebase as the preliminary database technology to minimize errors and later converted to GraphQL, Node and MongoDB based backend System.
- Implemented a Component Driven Architecture of React, creating reusable components for common use cases, resulting 40% decrease in development time and code maintainability
- Actively contributed to feature development and troubleshooted UI and functionality issues which led to 50% saving of testing period in Product Development .
- Participated in career-growth workshops on emerging technologies and React Conferences to acknowledge latest developments.

Customer Support and Job Portal

Jan 2022 – May 2022

- Web Based Application which streamlines communication between administrators, merchants and customers.
- Designed the whole customer Login and registration UI part managing a team of three developers with mobile-first Approach.
- Successfully Integrated third party API's to automate UK Address which minimized the registration time by 30% statistically.
- Redux was used as a state management library and redux persist enabled seamless state rehydration resulting in enhanced user experience.
- Contributed significantly to integration of customer login UI and functionality through API, managing JWT Token leading to enhanced security and data protection.
- Visually appealing Icons and functionally essential components were integrated from Material UI boosting user experience.

3. Programmer Analyst | Webmaazix | Hyderabad | India

E-commerce clothing project
January 2021 – December 2021
- Contributed to development of a dynamic web application offering a diverse range of clothing for sale.
- Achieved streamlined state management through Redux implementation resulting in 25% decrease in bug resolution time.
- Utilized Selectors to enhance performance and mitigate unnecessary re-renders improving application efficiency.
- Implementation of Firebase User Authentication focusing on Google Sign-In functionality resulted in a 30% rise in user registration rates and 25% decrease in bounce rates.
- Experienced in integrating Third-party Payment Gateway Providers, enhancing user experience, and increasing transaction efficiency by 30% • Collaborated with senior UI developers to enhance design and implement code effectively.

PROJECTS

NewsPoint |React | HTML | CSS | Javascript
- Developed a responsive user interface of news application using React framework ensuring seamless user experience across devices and screen sizes.
- Implemented features such as real-time news updates, search functionality, topic related news filter functionality to enhance user engagement.
- Deployed application in Heroku web hosting service.

Rock Paper Scissor Game | HTML | CSS | Javascript
- Implemented game logic to handle player input and computer - generated choices, creating a seamless gameflow ensuring fair outcomes.
- Utilized Javascript event handling and DOM manipulation techniques to update game and state dynamically.

Leader of the house @ Bharath Institute of Technology

June 2018 – April 2020
- Founded and headed the premier cricket Fans Club
- Won inter-college Cricket tournament for the first time.
- Organized trivia and pick-up games for over 45 students weekly.
- Successfully transitioned house to powerhouse. school.
- Provided a discussion forum about technological developments

Sports Team Head @ Vijay Public School

June 2011 – April 2013
- Managed a team of 15 members and created wonderful experiences for all.
- Lead the team and participated in all sports games held in

VOLUNTEERING

- **QuikieApps, Bangalore, India:** Assisted the fresher junior developers who joined the company in learning and understanding the React documentation and explained to them about asynchronous behavior of Javascript in detail.
- **Heart Blood Foundation, Hyderabad, Telangana :** Successfully organised the blood donation camp in partnership with the foundation and encouraged fellow students to donate blood by informing and motivating them about the benefits of donating blood.
- **Bharath Institute of Technology , Version Control Presentation Volunteer:** Gave a crash-talk on version control, how to use it, and its importance

ACHIEVEMENTS AND AWARDS
- **Dilsukhnagar Public School - Merit Award.** (Awarded by the Principle@DPS to students who receive more than a 9.5/10 CGPA in 10th standard).
- **Udemy- Certificate for Completion of The Full Stack Web Development.**
- **Coursera- Certificate for Completion of Responsive Web Development and Design**
- **Merit based Scholarship - £1000 - York St John University**
- **Centre for English Language Training- Osmania University - Certification for Completion of Personality Development Course**
- **NMDC Hyderabad Marathon -** Successfully participated and completed India's second largest marathon in terms of participants