**AJAY MANINDER**

**Full-Stack React Developer**

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**PROFESSIONAL SUMMARY**

* **Dynamic and skilled Full-Stack Developer** with over 3 years of experience in creating professional web applications. Specializing in front-end design and client/server development using **React.js**, **HTML5**, **CSS3**, **JavaScript**, **TypeScript** and **JSON**.
* **Proficient in cloud technologies**, particularly Amazon Web Services (AWS), with expertise in developing single-page applications using **React-Router**.
* Key Expertise:
  + **Front-End Development**: Proficient in designing and developing responsive web pages using **Media Queries**, CSS Grid Layout, and Flexbox, also worked on WordPress CMS to build and customize websites for dynamic content management.
  + **React.js Mastery:** Extensive experience with React.js components, forms, events, keys, react-router, and Redux for state management. Strong background in utilizing both built-in and custom hooks.
  + **Backend Development:** Developed and maintained backend server applications using Node.js to handle HTTP requests. Designed and implemented MongoDB schemas and models to store and manage data for web applications efficiently. Utilized Mongoose (MongoDB ODM) to interact with the MongoDB database and perform CRUD operations seamlessly. Worked on SQL databases, including schema design, writing queries, and integrating with backend applications for data management.
  + **Mobile Development:** Experience in developing mobile applications using React Native, showcasing adaptability across platforms.
  + **Testing and Code Quality:** Skilled in using the Jest unit test framework for JavaScript code, Proficient in Postman for API testing and experienced in maintaining high code quality with SonarQube.
  + **Cloud & DevOps Expertise**: Familiar with cloud technologies, particularly AWS (EC2, S3, Amplify), and have an understanding of setting up CI/CD pipelines using Jenkins and GitHub Actions. Knowledgeable about containerization with Docker and orchestration using Kubernetes for deployment and scalability.
  + **AI & Creative Solutions:** Gaining proficiency in generative AI platforms like ChatGPT, with a focus on leveraging Python to build innovative and automated solutions for enhanced problem-solving.
  + **Team Collaboration:** Adept at working in Agile environments, collaborating with cross-functional teams, and leveraging DevOps practices to enhance development workflows and delivery speed.

**TECHNICAL SKILLS:**

* Web Technologies: React.js, React Native, JavaScript, HTML, CSS, SASS, JSON
* JavaScript Frameworks: Redux, Node JS, Express
* Database: MongoDB, SQL(MySQL)
* Cloud: AWS (EC2, S3, Amplify)
* Version Control: GIT
* Testing: Jest, Postman, SonarQube
* Tools: Visual Studio, Sublime, JIRA

**PROFESSIONAL EXPERIENCE**

**Full-Stack React Developer | Lincoln Financial Group, NC | Sept 2022 – Present**

* Developed responsive web pages using HTML5, CSS3, JavaScript, TypeScript, React.js, and Redux, ensuring optimal user experiences.
* Implemented Single Page Applications (SPAs) with React-Router, improving client navigation and application task performance.
* Utilized Redux for efficient state management, ensuring seamless data flow and enhancing application stability.
* Crafted visually appealing web pages using SASS, incorporating dynamic styles with variables, mixing, operations, and functions.
* Implemented and managed state using React Hooks, enhancing code readability and facilitating component reusability.
* Integrated third-party UI libraries like Material-UI, streamlining development and maintaining a consistent design language.
* Created reusable React components, employing both class-based and functional-based approaches for versatility.
* Developed a robust backend with Node.js, serving as a RESTful API for the React-based frontend.
* Applied TypeScript for better code quality and maintainability.
* Used Jest for unit testing and Postman for API testing to ensure high code quality.
* Utilized Express.js for a lightweight and efficient server, managing HTTP requests and routing.
* Managed MongoDB/NoSQL collections, ensuring efficient data storage, and executed CRUD operations using Node APIs.
* Proficiently integrated AWS S3-hosted assets into React components, optimizing content delivery.
* Utilized Axios to fetch and retrieve JSON data from an AWS S3 bucket within React components.
* Implemented High-Order Components to enhance component reusability and maintainability.
* Employed Axios/Fetch libraries for asynchronous data fetching from the server, ensuring efficient application performance.
* Leveraged debugging tools like Chrome Developer Tools to investigate and resolve issues promptly.
* Used Git for version control and JIRA for effective project management and collaboration.

Environment: HTML5, CSS3, JavaScript, React, TypeScript, Redux, SASS, Axios, Fetch, Jest, JIRA, Visual Studio, Git, Node.js, Express.js, MongoDB, AWS.

**React Developer | Vedas Labs, India | Mar 2020 – July 2021**

* Created responsive designs for both mobile and desktop platforms using using React JS, HTML, CSS ensuring compatibility across various browsers and devices.
* Implemented React-Router to transform the application into a single-page application, enhancing user navigation.
* Utilized React.js features such as props, states, and keys to build UI components for optimal interactivity.
* Worked with HTML, CSS, JavaScript, and JSON to create a cohesive and visually appealing web application.
* Played a key role in developing React Native view components and their seamless integration.
* Implemented React state hooks, including `useState`, for effective component-level state management, enhancing UI reactivity.
* Integrated Redux for centralized state management, ensuring a predictable and controlled data flow.
* Developed both class-based and functional-based components, emphasizing reusability across the web application.
* Utilized React Hooks to develop UI components, promoting modular and reusable code.
* Integrated the application with Java REST APIs (Restful API’s) using the AXIOS library to performed CRUD operations.
* Integrated SQL databases with backend applications to enable efficient data storage, retrieval, and management.
* Maintained the codebase with frequent updates and revisions using GIT version control.

Environment: React, Node.JS, CSS, HTML, GIT, JSON, Java,React Native, Redux, SQL.

**ACADEMIC PROJECTS:**

**College Management Portal (MERN Stack)**

* Built a full-stack College Management Portal using ReactJS, NodeJS, and MongoDB for secure user authentication and role-based access control with JWT.
* Implemented bcryptjs for password hashing and secure login, ensuring robust security for sensitive user data.
* Developed dynamic role-based access for admins, recruiters, and employees, offering tailored interfaces and functionalities.
* This allows for differentiated access based on user roles Implemented JWT verification in middleware to check the validity of tokens on protected routes, ensuring that only users with valid tokens can interact with secured resources.
* Created Grid layouts, used various libraries like MaterialUI, react-router, axios, react-icons, jsonwebtoken, mongoose etc.

**ChatBot Application using GPT Model(Python & ReactJs)**

* Developed a comprehensive chatbot application with a Python Flask-based backend and a React frontend.
* The backend integrates the microsoft/DialoGPT-medium model using the Transformers library to handle natural language processing and generate dynamic responses.
* It includes tokenization and response generation, and CORS support ensures smooth frontend-backend communication.
* Developed the frontend using React.js, managing state and API requests with Axios to provide a seamless user experience.
* The interface features interactive components and responsive styling to deliver an engaging user experience.

**Movie Suggestion Application (Automatic Deployment using AWS Amplify)**

* Developed a single-page movie suggestion application using an open-source API with a collection of movies.
* Integrated the app with AWS Amplify and added the working repository to the AWS Amplify console for automatic deployment.
* Created an IAM role using CI/CD pipelines for automatic deployments upon code commits to GIT.
* Implemented a search bar for displaying and suggesting results based on keyword searches.
* Used the Axios library for making API calls.
* Developed a responsive page with a solid understanding of CSS and CSS grid layout for the front-end view.

**PERSONAL PROJECTS:**

**UPAYA (mobile application using react-native)**

* A mobile application providing information about government schemes available to the public, collected from various government portals.
* OverView : Governments across the globe making so many policies and schemes to help the people of that country in all aspects of their day to day life.
* Developed a mobile application UPAYA using React Native, designed to provide users with detailed information about various government schemes and policies sourced from government portals.
* Integrated multilingual support, enabling access to both regional and English languages.
* Supported multimedia content, including audio and video, to provide accessible information about government schemes.
* Developed a responsive UI using React Native components, enabling users to view policies on their smartphones with ease.

**EDUCATION**:

* Masters in CS, University of Central Missouri, USA, CGPA: 3.30/4, 2022.
* Bachelors in CS, Saveetha School of Engineering, India, CGPA: 8.063/10, 2020.