**AJAY MANINDER**

**Full-Stack React Developer**

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**PROFESSIONAL SUMMARY**

* Over 3 **years** of experience developing professional small-scale to large-scale web applications, including front-end designing, and developing client/server web applications using **React.js, HTML5, CSS3, JavaScript, and JSON**.
* Knowledge of utilizing cloud technologies including **Amazon Web Services (AWS)**.
* Experience working with **React-Router** and developing single-page applications.
* Developed responsive web pages with Media Queries, **CSS Grid Layout, and Flexbox**.
* Experience using React.js Components, Forms, Events, Keys, Router, and Redux.
* Experience using react built-in hooks and writing **custom hooks** for reusable components, context, and state management.
* Utilized Node.js and Express.js to build scalable and efficient server-side applications and RESTful APIs.
* 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.
* Experience in developing mobile applications using **React Native**.
* Experience with **Postman** for API testing.
* Proficient in using SonarQube for code quality analysis and continuous inspection.
* Expertise in implementing user authentication, authorization, and managing user pools using AWS Cognito.
* Proficient in deploying web or mobile applications using AWS Amplify.
* Experience integrating the hoisted assets on AWS S3 into web applications for efficient content delivery.
* Knowledge of salesforce and created a hotel reservation application and knowledge on creating custom/standard objects and field types and relationships like Lookup and Master-detail.
* Basic understanding of Kubernetes, including container orchestration principles, pod deployment, and basic cluster management.
* Worked with **Jest** unit test framework to write unit tests for JavaScript code.
* Effective team player and self-motivated with high adaptability to new technologies.

**TECHNICAL SKILLS:**

* Web Technologies: React.js, React Native, JavaScript, HTML, CSS, SASS, JSON
* JavaScript Frameworks: Redux, Node JS, Express
* Database: MongoDB, Oracle
* Cloud: AWS
* Version Control: GIT
* Testing: Jest
* 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, 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, Redux, SASS, Axios, Fetch, Jest, JIRA, Visual Studio, Git, Node.js, Express.js, MongoDB, AWS.

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

* Developed web pages using HTML5, CSS3, JavaScript, and React, ensuring a seamless user experience.
* Created responsive designs for both mobile and desktop platforms using HTML and CSS.
* 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.
* Created a responsive webpage using React JS, ensuring compatibility across various browsers and devices.
* Integrated REST APIs and performed CRUD operations using Node.js and MongoDB.
* Maintained the codebase with frequent updates and revisions using GIT version control.

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

**ACADEMIC PROJECTS:**

**College Management Portal (MERN Stack)**

* Developed a College Management Portal application featuring secure user authentication and authorization, utilizing JWT tokens for session management and access control Using ReactJS, NodeJS, and MongoDB.
* Developed a robust login process that involves validating user credentials and generating JWT tokens to facilitate secure access to application resources.
* Implemented secure user authentication by hashing passwords with bcryptjs, ensuring that user passwords are stored securely and not in plain text.
* Incorporated role-based access control by associating users with roles and leveraging this information to enforce access permissions.
* 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.
* Developed a login page for users that dynamically directs them to role-specific pages upon successful authentication, ensuring appropriate access based on user roles.
* Created Grid layouts, used various libraries like Material UI, react-router, axios, react-icons, jsonwebtoken, mongoose etc.

**Chatbot Application using GPT Model (Python & React JS)**

* Developed a comprehensive chatbot application with a 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.
* An API endpoint, /api/chatbot, was created with a POST method to receive user input in JSON format.
* On the frontend, a React-based UI was created with state management and dynamic content updating, leveraging Axios for real-time API requests.
* The interface features interactive components and responsive styling to deliver an engaging user experience.
* The application utilizes a tokenizer to convert user input into tokens that the model can process, and then decodes the output tokens back into human-readable text.

**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.
* But when we look at the ground level, how many people really know about the government policies or schemes which are created for them?
* In this electronic age with great advancement in Internet and Mobile technology and usage by the people across the globe, one of the best way to fill this gap between the government and people is to provide a platform where people can view the schemes and policies in their hands.
* Schemes/Policies at People Hand? Yes, if we look at the mobile revolution, most of the people started using the smartphones; farmers, small or medium scale business people, all levels of employees are included in this list.

Environment:

* Technology: React-native
* Tools: Sublime text

**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