**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, 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.
  + 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.
  + 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. Experienced in maintaining high code quality with SonarQube.
  + Cloud and Deployment: Expertise in deploying web and mobile applications using AWS Amplify. Integrated AWS S3 for efficient content delivery.
  + Authentication and Authorization: Experience and expertise in implementing user authentication, authorization, and managing user pools using AWS Cognito.
  + Salesforce Knowledge: Familiarity with Salesforce, including creating a hotel reservation application and customization of the Salesforce User Interface. Hands-on experience gained through Salesforce Trailhead.
  + Team Collaboration: Effective team player with self-motivation and 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, Git, JIRA

**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.

**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:**

**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.

**Member Management System and Authentication using AWS Cognito**

* Developed a member management system application with user authentication using AWS Cognito.
* Integrated AWS Cognito and developed a login page for the admin based on the pool ID and client ID from AWS Cognito.
* Created a Footer and Header component with a Navbar, utilizing React Router for link navigation.
* Implemented a dropdown visible only to the admin upon successful authentication.
* Used protected routes for pages visible only to the admin.
* Developed a dropdown with a table displaying member data, performing CRUD operations, and implementing a master-detail view using the DevExtreme library.

**Forest Fire Prediction using support vector machines.**

* Predicted forest fire occurrences using support vector machines and visualized data using R-programming.
* Utilized a dataset from the UCI repository, performed data pre-processing, and reduced data by selecting necessary attributes.
* Employed plotting methods like bar-chart, boxplot, and plot() for visualizing results.
* Used the support vector machine function to identify the number of support vectors
* Applied predict() for data classification and created tables based on predicted values.
* Generated plots illustrating the area burnt in a month to predict the month of forest fire occurrences.

**PERSONAL PROJECTS:**

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

Description: A mobile application providing information about government schemes available to the public, collected from various government portals.

* Recreated and structured public content for better understanding.

Responsibilities:

* Created the application flow and designed the user interface.
* Developed the app.

Environment:

* Technology: React-native
* Tools: Sublime text