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Summary

* Software engineer having about **5 experience** as a **Front-End Developer** in UI development and implementation of web based and client/server application using **HTML5, CSS3, JavaScript, Node.js, Express, React, Redux, AJAX, JQuery and JSON**.
* Implemented various screens for front end using **ReactJS** and used various pre-defined components from **NPM** and **Redux** library.
* Worked in projects in **Agile** software development methodology with **scrum** framework.
* Proficient in using ReactJS **component life cycle**, and its method.
* Experienced in **Javascript** language with ECMAScript(**ES6**)6.0 programming standards.
* worked on ReactJS for creating interactive UI using one-way data flow, **Virtual Dom, JSX.**
* Work on creating dynamic web pages using **AJAX, JSON, and XML**.
* Experienced in developing **Single Page Application** using **React**.
* Experienced in writing algorithm to improve the efficiency and performance of the code in **Javascript**.
* worked on **Webpack** for web performance optimization.
* Experienced in working on modern **MERN** stack – **MongoDB**, **ExpressJS**, **React**, and **Nodejs**.
* Experience in utilizing **Bootstrap** reusable components.
* Used **RWD** techniques such as using flexible grids and layouts, images, intelligent use of CSS Media queries for user’s experience on different screens.
* Experience in working with **RESTFUL** Web Services and implementing RESTFUL API’s.
* Hands on experience in cloud technologies like Amazon Web Services(**AWS**)
* Developed **Thunk** in React to implemented **async** function.
* Used popular **Node.js frameworks** like Express to develop server-side.
* Hands on experience in **JSON** based **RESTful web services**.
* Worked with **React** **hooks** in React function components to make the code more efficiently and clearly.
* Used **MongoDB** as database between Front End and Back End.
* Hands on experience in **MySQL** with **CURD** operations.
* Worked with **windows10**, **Mac** and **Linux** operating system.
* Experienced in developing, testing, Debugging using Integrated Development Environment(IDE) **IntelliJ IDEA**, **Eclipse** and **VSCode**.
* Hands on experience with source code control tool **GIT** and Node package management **NPM**.
* Used **Python** to implement **DNN** and **CNN** to improve the accuracy of the recognition.
* Strong understanding of **Object-Oriented Programming** paradigm and Design Patterns in **Java**.

Technical skills

Web Technology: HTML, CSS, JavaScript, ES6, Bootstrap, Node.js, Express, React, Redux, Restful, JSX,

 AJAX, JQuery, JSON.

Language: JavaScript, Java, Python, C++

Version Control: Git

Tools: postman, JIRA, Jest, VSCode, Nodepad++, IntelliJ IDEA, Eclipse, ,Sublime Text

Database: MySQL, MongoDB

Operating System: windows 10, mac OS, Linux

Other Tools: Jira, Jest, chrome developers Tool

Experience

**Software Engineer**

**SirusXm Radio, NYC. Nov 2019 to present**

Description: Developed the webpage to manage channel list using React. Write whole broadcasting channel page to show all the channel and could be filtered by different categories.

* Worked on a **MERN** stack application built with **MongoDB, Express, React and Node.js.**
* Used **ReactJS** to create custom **components** for data manipulations and to display data in React forms.
* Developed web page using **React**, **Redux**, **HTML,CSS3, JSX and JavaScript**.
* Used **RWD** (Responsive Web Design) techniques to enhance web page display based on screen-size.
* Using **React JS** for templating for faster complication and developing **reusable components**.
* Moved all **states** to **Redux** to achieve flexibility, maintainable and better performance.
* Used **Express.js** to develop **RESTful** web services with **CURD**(create, read, update and Delete) features to integrate between server side to client side.
* Sent **HTTP** request via **Axios** to fetch **JSON** data from back-end server.
* Used **Jest** to do the unit test and ensure that every component function well.
* Developed robust form system with complete CURD capabilities in **React**, **Redux**.
* Conducted **URL** parsing using **React** **Router** to switch between different web pages.
* Used **Node.js framework** like Express to develop Restful API.
* Implemented **Single page app** using routing concept.
* Developed Navigation bar, channel list, button with **Bootstrap**.
* Used ReactJS with **Redux** to separate the data and presentation layer. Utilized **Redux stores** to handle states and update the UI.
* Used **Input/output binding** for data flow in the component.
* Developed **reducers** to manage Actions(API) to handle data and UI behavior.
* Implemented **mapStateToProps**, **mapDispatchToProps** for the interactions between Redux and React.
* Extracted reusable logic from components as **Higher-Order Components** such as infinity scroll to achieve more flexibility and maintainability
* Worked on **schema** and **queries** for **MongoDB** database.
* Used **Bootstrap** reusable components to implement user interface.
* Used **Thunk** in Redux to provide **async** requests for server-side call.
* Coded **promises** to resolve callback hells and handle **async** functions resulting in efficient and structured code
* Bundled all the modules together with **Webpack**.
* Developed dynamic emails and telephone call using **HTML** and **JavaScript**.
* Worked in using React JS **components**, **Forms**, **Events**, **Routers** concept.
* Used **GIT** to manage version control.
* **Sass** was used to add styling to the various components in website.
* implemented various page for front end using React.js and used various pre-defined components from **NPM** and **redux library**.
* Developed page **layouts**, **navigations** and presented designs and concepts to clients and the management review using **CSS3**.
* Experienced in developing the code with UI tools like **Visual Studio**.
* used **React** **Bootstrap** to style the web pages and make the application responsive.

**Software Engineer**

**Citi bank , NYC, NY**

**customer relationship management. Dec 2018- Oct 2019**

Description: A personnel management system to manage employees’ information and show the company hierarchies.

* Designed and developed the web page using **HTML,CSS, Javascript and React.**
* Wrote SQL queries to perform insert, update, delete and join operations on **MySQL** database.
* Developed the Edit, Delete and Add Screens for customers using **React**, **Redux**, **HTML,CSS3, JSX and JavaScript**.
* Hands on experience with **React hooks** replaced to React class components.
* Used **NodeJS** to build a scalable network application where it can handle any connections concurrently.
* Implemented stable **React** **components** and stand-alone functions to be added to any future pages.
* Created forms and sessions using **Node JS** and **Express.js** to store the user data and provide dynamic views based on the users.
* Used **Postman** to test the server-side API.
* Builted and maintained **RESTful** micro service architecture and added numerous services to it.
* Worked in using React JS **Forms**, **Events**, **Keys**, **Router**, **Link.**
* Fetch the services **API call** from backed and map in front using ReactJS.
* Build applications using **ReactJS** which allowed us to render pages on both the client and server using the same codebase.
* Implemented the relation logic BFS **algorithm** in **JavaScript**.
* Used **Node.JS** and **Express.JS** to setup the web servers and to integrate server side with front side.
* Worked with **Bootstrap** to design user interface.

**Software Engineer**

**Sichuan Artigent Robotics Equipment Co., LTD**. **Nov 2014 to June 2017**

**Chengdu, China**

* Developed multi browser compatible web pages using **HTML5**, **CSS3**, **JQuery, AJAX and JavaScript**.
* Used **postman** to test the backend API.
* Used **Material UI** to design the form, button, table in web pages.
* Did extensive **Javascript** and **JQuery** programming to give **AJAX** functionality for the website.
* Implemented first version of exchange platform using **Node.js**.
* implemented **RESTful** **APIs** with **Express**-**router** for flexible routing.
* Connected database and UI using **Javascript**.
* produces content pages with **CSS3** layout and style markup presentations and also used **Javascript** methods and properties.
* Used **Git** to manage the project for better version control.
* Handle all aspects of web applications including maintaining, testing, debugging and deploying.
* created model and connect to **MySQL** to access data conveniently using **Node.js**.
* Uploaded the web application to **AWS** cloud.

Education

**Rutgers, The State University of New Jersey Piscataway, NJ**

Master of science in Computer Engineering

**University of Electronic Science and Technology of China Chengdu, China**

Bachelor of Engineering