Sarojni Tripathi

PROFESSIONAL SUMMARY:

- Over **8+ years** of experience in **front-end** and **full-stack development** with the **MERN stack**.
- Developed ReactJS **Single Page Applications** (SPA) using React-Router, state management, props, event handling, keys, component lifecycle, DOM manipulation, and form development.
- Utilized **JSX** with ES6 syntax to define components, enabling rendering on both client and server sides with the same codebase.
- Built web and mobile applications using **ES6 features** and frameworks such as **React** and **Redux**.
- Created reusable **ReactJS components** with **JSX** templating and **ES6** syntax.
- Managed React component lifecycle for **DOM manipulation**, state management, event handling, and forms.
- Implemented features with React Fiber, including rendering new types, error boundaries, custom attributes, React Profiler, new lifecycle methods, and async rendering.
- Utilized **Redux for state management**, employing Store, Actions, and Reducers as pure functions, ensuring state immutability, and middleware integration.
- Used **Fetch API and Axios** with promises for handling asynchronous requests.
- Developed **Express.js models** using Mongoose for **MongoDB** queries, creation, updating, and deletion.
- Applied **Functional Programming** principles, including pure functions, immutability, function composition, currying, and declarative programming.
- Proficient in **ES5/ES6/ES7/ES8**+, covering block scoping, arrow functions, rest and spread operators, classes, modules, prototypes, strict mode, closures, promises, generators, async and await, map, and set.
- Extensively used node modules such as **lodash, async, request, body-parser, fs, events, promises, mongoose, Redis, and socket.io** to implement robust APIs.
- Demonstrated expertise in **HTML5 APIs** – Forms API, Location API, Storage API, WebWorker, Canvas, SVG, Video, Offline, and IndexedDB API.
- Proficient in UI designing using **Bootstrap, CSS3, CSS Grid Layout**, **font-awesome icons**, Google Analytics, Google Performance Metrics, and Lazy loading.
- Experience in **JavaScript and Node** testing library frameworks, including Mocha, Chai, Jasmine, and Jest.
- Proficient in **Babel, Webpack, and Grunt** for transpiling, bundling, minification, compilation, and linting.
- Worked in **CI/CD processes** using **Git, Gerrit, Jenkins, Docker, and Google Cloud.**

TECHNICALSKILLS:

Web Technologies	HTML 4.0/5, SASS, CSS2/CSS3, JavaScript, jQuery, jQuery UI, ReactJS, JSON, AJAX, XML, MVC, DOM, Bootstrap, Webpack and Material Design
Database	SQL and MongoDB

Application Server	Nodejs
Tools and IDEs	Visual studio code, WebStorm, Eclipse IDE, Notepad++
Libraries	ExpressJS, Request, jQueryUI, ReactJS, Material-UI, Video.js, Lodash, Request, Async, Google Fonts, Socket.IO, Mongoose
Version Control	GIT, Gerrit
Programming Languages	JavaScript, ES6/ES7, java
Operating System	Windows, Linux, and Mac OS X

PROFESSIONAL EXPERIENCE

Bank of The West, Salt Lake City, UT   **Jan 2023 to Present**
Full Stack Developer
Description: Bank of the West is a client-focused Investment Bank serving private institutional and corporate client worldwide. The project responsibilities are best-in-class end-to-end user experiences across the Bank's digital channels following user-centered design best practices. Collaborate with Business, Technology, and cross-organizational departments to define, design, and implement the overall solution. Translating business requirements into elegant user experiences for online, mobile, tablet and ATM. Develop user flows, navigation systems, detailed wireframes, user interface specifications, site maps, prototypes and other artifacts that support user goals and business objectives. The application involves REST API written in Node.js, Express.js calling MongoDB databases. It also involves front-end development of SPA using ReactJS, Redux, React Router, Bootstrap, HTML5 and CSS.

Responsibilities:
- Complete exposure with **MERN (MongoDB, ExpressJS, ReactJS and NodeJS) stack with ES6/ES7/ES8**.
- Created reusable components with **ReactJS**. Used **JSX** for markup, props and state in the components, life cycle methods, **DOM** event handling and created forms.
- Worked with React **hooks** – **useState**, **useEffect**, **useRef**, **useMemo**, **useContext** & **useReducer**.
- Involved designing in webpages using **HTML5, CSS3, JavaScript, Bootstrap, SASS, LESS, React. js, Redux, Flex, Mongo DB.**
- Extensively used **ES6/ES7/ES8** – block scoping, classes, arrow functions, rest and spread, generators, modules, promises, **destructuring**, template literals, **async** and await.
- Extensively used Functional Programming - Pure functions, Function **composition**, Immutable data, Currying, Partial **Applications** and declarative programming. Used **lodash-FP** and **redux**.
- Created reusable components with **React.js**. Worked with props, state, events, keys and component lifecycle. Used **JSX with ES6** to define components.
- Used **Redux middlewares** - **redux-form**, **redux-logger**, **react-redux**, **redux-thunk**, **redux-local storage**.

- Used **third party react components** - **react**-**video**, **react**-**select**, **react**-**tagsinput**, **react**-**datagrid**, react-panels, react-calendar.
- Used **React**-**Router** for **routing** – Used **BrowserRouter** for **Web**.
- Used Fetch **API** and **Axios,** a Promise-based **HTTP** client to send an **asynchronous HTTP** request to **REST endpoints** and perform CRUD operations.
- Worked with data visualization framework (**D3.js**) to display information in a chart view.
- Hands on experience with **React Native** and **POC** on Jest for native apps development.
- Used **Express.js** with **MongoDB** for persistence and **Redis for** caching.
- Built out restful endpoints and lightweight **aggregation** layers using **Node.js Framework** such as **Express.js**, Body **parser**, **cluster**, **process**, **Winston**, **Redis**, **jwt**, **passport**.js, **mongoose**, **lodash**, **async** etc.
- Extensively used **Promises** and **EventEmitter** in **Node**.js to avoid callbacks and more readable code.
- Used **HTTPS** and **NGINX** web server as a reverse proxy for **Node.js** application. Used **PM2** for deployment.
- Used **styled-components** to style **React application**.
- Used **Webpack** with **ESLint** for code cleaning and also for bundling, module injection and dependencies.
- Worked in **CI/CD** process with **Git, Gerrit, Jenkins, Docker and Google Cloud**.

Environment: React.js, Redux, React Native, React-Router, ES5, ES6, ES7, ES8, Lodash, Express.js, Node.js, MongoDB, Mongoose, Redis, Webpack, Babel, Gerrit, Git, Jenkins, Google Cloud, Docker, NGINX, HTML5, CSS3, Bootstrap.

Applied Materials - Portland, OR   **May 2021 to Dec 2022**
Full Stack Developer
Description: Applied Materials, Inc. is a leading provider of materials engineering solutions for chip and advanced display production. Organized into Semiconductor Systems, Applied Global Services, and Display and Adjacent Markets sectors, the company offers equipment and services for wafer fabrication, including ALD, CVD, PVD, RTP, CMP, ion implantation, and wafer inspection. AGS provides installation, warranty support, maintenance, and automation software. The manufacturing process for TFT LCDs mirrors that of integrated circuits, involving photolithography, vapor deposition, and testing in cleanroom environments.

Responsibilities:
- Designed the front-end applications, user interactive (**UI**) web pages using web technologies
- like **HTML5**, **CSS3**, **JavaScript**, **ReactJS** and **Ajax**
- Developed **ReactJS** pages, **Web services** calls and **AJAX** calls for the application
- Worked with React **hooks** – **useState**, **useEffect**, **useRef**, **useMemo**, **useContext** & **useReducer**.
- Used **ReactJS** in components like **JSX**, creating **React** components, **Virtual**.
- Participated with end users and business analyst to understand the business requirements.
- **CSS** styles were **developed** in order to preserve the uniformity of all the screens throughout the application and positioning of screen objects.
- Responsible for design and **development** of **web pages from mock**-ups (**PSD**).

- Worked on **Front end** by using **JavaScript**.
- Developed user interface by using the **ReactJS**, **Redux** for **SPA** development.
- Implemented client-side Interface using **ReactJS**.
- Worked in using **ReactJS** components, **Forms**, **Events**, **Keys**, **Router**, Animations and **Redux** concept.
- Build **React** components and stand-alone **functions** to be added to any future pages.
- Responsible for **developing** a **front-end application** using **ReactJS** and **Redux architecture** for internal team's **productivity** use.
- Experienced in **ReactJS** and working with React **Redux** architecture.
- Working with **React Router** for developing **Single Page Applications SPAs**.
- Worked on responsive design and developed a single **ISOMORPHIC** responsive website that Could be served to **desktop**, **Tablets** and **mobile** users using **ReactJS**.
- Built out **restful** endpoints and lightweight aggregation layers using **Node.JS Framework** such as **Express.js**, **Body parser**, **cluster**, process, **Winston**, **redis**, **jwt**, **mongoose**, **lodash**, **Async** etc.
- Used **Firebug** for **debugging** and for element **styling**.
- Wrote services to store and retrieve user data from the **MongoDB** for the application on devices.
- Involved in daily **SCRUM** meetings to keep track of the project status.
- Worked with **Bit Bucket** for recording the progress and later for version control.

Environment: HTML5, CSS3, JavaScript, ReactJS, Redux, React Hooks, React Router, SCRUM, Thunk, Node.js, ExpressJS, MongoDB, Bootstrap, JEST

Best Buy, Saint Paul, MN   **Feb 2019 to Apr 2021**
Frontend Developer
Description: Best Buy provides multinational consumer electronics and needs to manage its inventory according to orders. The management system includes several functional pages, like item directory pages, order directory pages, search pages, inventory management pages and so on. System aims to provide a simple, clear way to manage inventory.

Responsibilities:
- Complete exposure with **MERN (MongoDB, Express JS, ReactJS, NodeJS) full stack programming**.
- Experience with **ReactJS** new features like **Error boundaries**, **fragments**, and **new lifecycle methods.**
- Worked with React - **props**, **state**, keys, refs, events and **fetch API** to make calls to the server.
- Used **Redux** for state management. Created reducers with pure functions and actions to dispatch events and store to maintain the state.
- Worked with **React-Router** for routing – Used **BrowserRouter** for **Web** and **NativeRouter** for mobile.
- Worked with **Redux tools** - **react-redux**, **react-router-redux**, **redux-thunk**, **redux-logger** and **redux-form**.
- Used third party **react components** – **react-video**, **react-typeahead**, **react-tagsinput**, **react-datagrid**, **react-calendar**, **react-tabs** and react-**autocomplete**.

- Worked with **Javascript** (**ES5/ES6/ES7**) - **closures**, **hoisting**, **prototypes**, **block scoping**, **rest**, **spread**, **destructuring**, **classes**, **promises**, **iterators**, **generators**, **async await**, **maps**, and **sets**.
- Used functional **programming** – **pure functions**, immutable objects, and **declarative programming**. Used **lodash**-**FP** and **redux**.
- Wrote **Express.js** and used **MongoDB** for persistence and **Redis** for **caching**.
- Used **Mongoose Schema**/**Model** to create the **query**, update and delete with **Express.js** controllers.
- Extensively used **Promises** and **EventEmitter** in **Node.js** to avoid callbacks and more readable code.
- Used **ZMQ distributed** in-**memory** Message Queue to connect different **Node.js** utilities and applications
- Used **Babel** for **transpilation** and **Webpack** for **bundling**, module injection, and dependencies. Used NPM **scripts** for build definitions.
- Experience with **Grunt** to perform **minification**, compilation, and **linting** and NPM to maintain package dependencies.
- Worked in **CI/CD process** with **Git, Gerrit**, **Jenkins**, and **Google** Cloud.

Environment: HTML5, CSS3, DOM, Bootstrap, RESTful API, JavaScript, JavaScript API, DOM, Ajax, JSON, AngularJS, Grunt, Gerrit, JIRA Jasmine.

Tenet Healthcare – Fountain Valley, CA   **April 2017 to Jan 2019**
Frontend Developer
Description: Tenet provides healthcare services to improve service delivery and patient outcomes. Tenet working with leading healthcare insurance to better coordinate care, reduces healthcare costs, and improves long term health. The online portal allows members and brokers to look for information about health care plans. Members can enrol into insurance plan using online portal. It has payment module, report module, etc. This web portal allows members to view the claims, change Doctor and add new services.

Responsibilities:

- Worked with **HTML5, CSS3, XML, JSON, JavaScript, jQuery and jQuery UI** for developing user interface.
- Developed pages using **AJAX** with **jQuery** and **JSON** for a quick view of related content, providing both functionality and ease of access to the user.
- Involved in consuming **RESTful Services** with **JSON** to **fetch data**.
- Used **jQueryUI controls** as **Accordion**, **Tabs**, **Dialog** and used **jQuery** mobile data attributes to create **mobile**-**friendly pages**.
- Especially working with **AJAX** data consisting of **JSON/XML/JSONP** responses, parsing the same and presenting on the **UI** layer.
- Debugged the application using **Firebug** and **chrome to** traverse the documents and manipulated.
- Used **Mobile**-first responsive grid layout using **Bootstrap**. Extensively used **Media Queries**, Fluid Layout, Responsive Images and Typography.

- Extensively used **jQuery – CSS3 Selectors, DOM traversal**, **manipulation** and event **handling**.
- Used **jQuery** Events to **manipulate** the elements which depend on the user interactions (like ready, hover, bind, click, and **keypress**).
- Created Video controls and **SVG** documents and images for responsive using native **API** to remove the dependency on external **plugins**.
- Followed **Agile** Practices for developing the application.
- Used **JIRA** for **bug tracking** and issue tracking.

Environment: HTML5, CSS3, DOM, DHTML, XHTML, CSS, JavaScript, jQuery, jQuery UI, AJAX, JSON, Controls, JIRA.

United Airlines, San Diego, CA   **Apr 2015 to Mar 2017**
UI Developer
Description: Master Schedule – The project is about pilots day to day schedule which involves different features like trip trading, Pilot brief report, Sick calls, Door codes, pairing info, Crew legality and many more we are trying to implement detailed new features in a single page calendar view with a single click with much more detailed information than existing application.

Responsibilities:

- Designed the **front-end applications**, user-interactive web pages in a professional manner with using web technologies like **HTML, DHTML, XHTML, XSL, XSLT and CSS.**
- Developed client-side validation code using **JavaScript**.
- Developed **HTML** interfaces with an understanding of **UI** design principles and object-oriented program development.
- Participated in many front ends designing issues, provided many creative and efficient ideas and implemented them using **JSP**, **AJAX** and **JavaScript.**
- Developed **HTML**, **CSS** based page **layouts** using the **prototypes**, **wireframes** and **images** for vertical **re-design** of the **websites**.
- Changing the width of the list **items** that resulted in different forms of grids. Also, solved the padding effect differences **among** the various **browsers** i.e. **browser's compatibility**.
- Worked extensively on the shop **module** with **CSS** issues including the cross-browser issues with **IE** and wrote new functionalities for other pages using JavaScript, **AJAX**, **HTML** and **CSS**.
- Used **jQuery core** library functions for logical implementation at the client side for all the applications.
- Implemented various validation controls for form validation and custom validation controls using Object Oriented **JavaScript**.
- Used **JSON** objects effectively for efficient client-side coding.
- Used **AJAX** extensively to implement front end /user interface features in the application.
- Developed **CSS** page layouts, styles and table less coding for efficient design.
- Used **CSS** Selectors for condition-based styling and pseudo-classes to add some special effects to selectors.

- Involved in creating cross-browser compatible and standards-compliant **CSS**-based page layouts.
- Developed, modified, and implemented the Website to ensure consistency of layout in accordance with client goals.

Environment: HTML, CSS3, JavaScript, CSS, XML, DOM, AJAX, SVN.

EDUCATION:

Master's from Deendayal Upadhyay Gorakhpur University, India, 2004.