**Sandeep Puli**

Sr. UI Frontend, Web Developer

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**Summary of Qualifications:**

* Result-driven IT Professional with referable & strong experience in design & development of web applications using Angular.JS, React.JS, Node.JS, HTML5, CSS3, Bootstrap, JavaScript, ES6 and TypeScript.
* Thorough understanding in full software development lifecycle, architecting scalable platforms, object-oriented programming, Agile methodologies, and Scrum.
* Highly skilled in applying the latest software development approaches including MVC, event driven applications using AJAX, Object Oriented (OO) JavaScript, JSON, XML and Graph QL.
* Expert on React.JS like text binding and writing classes using raw JavaScript and JSX files and developing user interface by using React JS, Redux, React Router for SPA development.
* Thorough knowledge in CSS with pre-processors like LESS and SASS along with expertise on ECMASCRIPT 6 features for developing React applications.
* Developed and maintained full-stack web applications using MongoDB, Express.js, React, and Node.js (MERN stack), ensuring high performance, scalability, and security for both front-end and back-end systems.
* Developed Web API using Node.JS and hosted on multiple load balanced API instances.
* Developed the relevant backend RESTful API using Node.js and Express JS.
* Strong experience on React.JS for creating interactive UI's using one-way data flow using Redux, Virtual DOM, JSX, concepts.
* Set up AWS CloudWatch for real-time monitoring and logging of MERN stack applications, allowing proactive issue detection and minimizing downtime through automated alerts and triggers.
* Automated infrastructure provisioning and management for MERN stack applications using Terraform, enabling repeatable, version-controlled deployments across multiple AWS environments.
* Worked with Node JS framework including authoring complex directives, services, controllers, and filters.
* Developed scalable applications using the MERN (Mongo-DB + Express.JS + React + Node.JS) stack and
* created POC's for rest service development using Node.JS, Express.JS and MongoDB.
* Hands on experience with Babel and Web Pack to convert ES6, JSX to JavaScript.
* Good at using states &props inside components with solid knowledge on React Virtual DOM, uni-directional data flow, and creating Reusable react presentation and container components.
* Experience in using the jQuery libraries, Angular.JS, Node JS, Ext JS, React JS, and Angular 8
* Expertise in using Angular-CLI for initializing and project setup with scaffolding features.
* Experience in software configuration management using version controls like SVN and GIT.
* Experience in all stages of testing namely Functional testing, Performance testing and User Acceptance testing.
* Well versed in Build Automation tools like Grunt.JS, Gulp.JS and Bower.
* Highly skilled in developing web pages complying with Web Content Accessibility Guidelines (WCAG) and ability to apply W3C web standards.
* Versatile team player with excellent analytical and presentation skill with ability to quickly adapt to new technologies & project environments.

**Technical competencies:**

Methodologies: Waterfall, Agile, SDLC

UI Web Technologies: HTML/HTML5, XHTML, XML, AJAX, JSON, CSS/CSS3, UI Concept Modeling/Wire Framing

Scripting Languages: JavaScript, jQuery, Node.Js, Terraform Typescript, ECMA Script, JSX

Frame Works: Bootstrap, Backbone JS, Node JS, React JS, Redux, Angular.JS, Angular 2, and JavaScript Frameworks, Cloud watch,AWS

IDE’s: Visual Studio, Visual Studio Code, Eclipse, Sublime Text Editor

Web/App Servers: Tomcat7.x, WebLogic10.3/9.2/8.1/7.0, IBM WebSphere7.x/8. X, JBoss

Version Control: GIT, SVN, TFS

RDBMS: SQL Server 2005/08/12

Operating Systems: Windows (Family, Network & Enterprise)

Debugging Tools: Google Chrome Web Debugger, Fire Bug

**Professional Experience:**

**Senior UI Engineer** May 2024 - Present

**Client: Apple Inc, Sunnyvale, CA**

* Developed project’s web page as Single Page Application (SPA) by using HTML5, CSS3, TypeScript, ReactJS, Redux.
* Actively worked with business users and UX designers in requirement gathering to define screen designs.
* Involved in the development of reusable UI components library and installed that library as node module.
* Used Redux as state management library.
* Developed and maintained full-stack web applications using MongoDB, Express.js, React, and Node.js (MERN stack), ensuring high performance, scalability, and security for both front-end and back-end systems.
* Utilized GraphQL Apollo Client to manage local state and cache, ensuring seamless synchronization of data

between UI components and the server.

* Used React components and hooks for building forms in the application.
* Implemented API versioning, error handling, and logging mechanisms to improve the robustness, scalability, and traceability of web services, reducing downtime and enhancing API reliability.
* Implemented Material UI and developed the application responsive to different screen resolutions using

CSS media queries.

* Used Storybook to build independent components, document them for reuse, and visually test to prevent bugs.
* Developed the relevant backend RESTful API using Node.js and Express JS
* Implemented RESTful APIs and integrated third-party services to enhance functionality, improving user experience and optimizing server-side performance using Node.js and Express, while leveraging MongoDB for efficient data management and storage.
* Used Jest to perform unit testing for react components.
* Involved in the continuous delivery pipeline with Docker and Jenkins build tool.
* Used GitHub to manage repositories and Agile radar for project status tracking.

**Client: Anthem- Atlanta, GA** Mar 2022 - Apr 2024

**Role: Sr. MERN Developer**

**Roles & Responsibilities:**

* Worked to deliver regular updates to business team and project managers through Agile practicesthat included weekly sprints and daily standup meetings.
* Used React JS with Redux to build single page web application with efficient data flow between the client and server and used to create Controllers to handle events triggered by clients and send request to server.
* Involved in designing webpages using Modern JavaScript, React JS, Redux, ES6, TypeScript and HTML5/CSS3, Bootstrap, SASS and LESS.
* Integrated SQL databases with MERN stack applications, developing robust back-end functionality with Express.js and Node.js to handle complex data relationships and improve data consistency across multiple environments.
* Created custom reusable components using React JS, JSX, ES6 features.
* Maintained states in the stores and dispatched the actions using Redux.
* Implemented Terraform modules to provision scalable cloud infrastructure, including VPCs, security groups, and load balancers, streamlining the setup of production environments for MERN stack applications.
* Extensively used React Hooks.
* Created Splunk dashboard for tracking and monitoring the logs for API errors, AEM errors, success logs.
* Developed webpages using React JS components, Forms, Events, Keys, Router, Animations.
* Collaborated with DevOps teams to integrate Terraform into CI/CD pipelines, automating infrastructure updates and enabling zero-downtime deployments for MERN-based web applications.
* Responsible to style the webpagewith SASSthat extends CSSwith dynamicbehavior such as variable,mixing,operations and functions.
* Integrated JavaScript libraries such as D3.js, and Moment.js into the React application, enhancing efficiency and functionality throughout the development process.
* Collaborated with cross-functional teams to implement RESTful APIs, integrate third-party services, and optimize front-end performance, ensuring seamless data flow and reducing load times by 40%.
* Performed HTTP Requests to fetch data from database and process JSON data to render to the web page by invoking Rest Services using GET, POST, and PUT methods.
* Implemented Routing modules for navigation between the components.
* Created various components like Button, Checkbox, Input, Icons, Toggle Button, Dropdown and Multi-Level Dropdown.
* Involved in peer-to-peer code reviews and functional testing of the application.
* Identified and resolved issues related to GraphQL queries, mutations, and subscriptions in React applications, ensuring smooth operation.
* Collaborated with QA team on bug fixing and improving application performance.
* Worked on Cross-Browser compatibility and fixed the bugs for several browsers like chrome, safari, etc.
* Wrote tests cases using Jest & Enzyme for individual components and integration tests for smooth functioning of the code and to easily identify issues.
* Optimized API endpoints for performance by implementing caching strategies, reducing response time by 30% and ensuring faster data retrieval for end users.
* Built and maintained GraphQL APIs for efficient data querying, enabling front-end developers to request only the data they need, which reduced network load and improved application performance.
* Used GIT as version controlling system and regularly pushed the code to Bit Bucket.
* Used Babel, Web pack with ES6, React JSX pre-sets.
* Used various predefined components from NPM (Node Package Manager) for configuring the project.

**Environment**: HTML5, CSS, Bootstrap, JavaScript, ES6, AJAX, JSON, JSX, Rest, Redux, Redux Saga, React.js, GIT, Web pack, NPM.

**Client: Ford Motors - Dearborn, MI** Sep 2020 - Feb 2022

**Role : Sr. UI, Frontend, React Developer**

**Roles & Responsibilities:**

* Created the front-end UI application using HTML5, CSS3, React.JS and Bootstrap
* Used Redux to polish the data and for single directional flow.
* Created custom reusable components using React JS, JSX, Hooks, ES6 features.
* Maintained states in the stores and dispatched the actions using Redux.
* Used Babel, Webpack with ES6, TypeScript, React JSX pre-sets.
* Extensively worked on React.JS components, Component life cycle methods, Forms, Events, States, Props, Keys and Routes.
* Implemented application testability and diagnostics and fixing bugs with the help of REDUX (Reducers) architecture.
* Used React.JS to create views to hook up models to the DOM and synchronize data with server as a Single Page Application (SPA).
* Designed and maintained GraphQL schemas, defining types, queries, mutations, and subscriptions to meet application requirements.
* Worked with Passport and JSON web tokens for authentication and authorization security configurations using Node.js.
* Responsible for checking cross browser compatibility and hence worked on different browsers like Safari, Internet Explorer, Mozilla Firefox, and Google Chrome.
* Proficient in using GraphQL client libraries such as Apollo Client or Relay Modern to manage GraphQL data in React applications.
* Worked on Asynchronous data with Axios, middleware’s like ReduxThunk in applications.
* Worked on ECMA Script 5/6(ES6) features like modules, classes, Arrow Functions, default parameters etc.
* Followed best practices surrounding version control with GIT, unit testing with JEST and automated build process using Webpack.
* Worked on Jest, Mocha and Jasmine libraries for Unit Tests and Acceptance Tests.
* Used various predefined components from NPM (Node Package Manager) for configuring the project.

**Environment**: HTML5, CSS3, JavaScript, React JS, Redux, Node.JS, NPM, Webpack, AJAX, Bootstrap, JSON, Restful web services, ES6 and Atom Editor

**Client: Verizon - Hilliard, OH** Jun 2019 - Aug 2020

**Role: UI, Frontend, React Developer**

**Roles & Responsibilities:**

* Responsible for developing the UI pages with HTML5, CSS3, JavaScript, JSON, jQuery, Angular.JS, Ajax.
* Developed HTML and Angular.JS for client-side presentation and data validation on client-side within the forms.
* Wrote application-level code to interact with RESTAPIs, Web services using AJAX, JSON and XML.
* Developed user interface by using the React JS, Redux and React Router for SPA development.
* Developed UI using Node JS, HTML5, CSS 3, jQuery, JavaScript, Angular.JS.
* Designed custom HTML directives in custom features development.
* Implemented Angular $http service for remote server communications to make calls to backend services.
* Used media queries for various break points to develop responsive web page.
* Worked with source version control tool GIT to manage the code repository.
* Built dynamically generated dropdown lists using Ajax and jQuery.
* Developed page layouts, navigations, animation, buttons, and icons.
* Debugging of JavaScript and HTML codes that are made by using Firefox Firebug and Google Chrome Web Debugger.

**Environment**: HTML5, CSS3, JavaScript, Angular.JS, jQuery, Bootstrap, AJAX, JSON, Sublime Text Editor, Node.JS, React.JS, Redux, SASS, GIT

**Client: Apple Inc - Sunnyvale, CA** Aug 2016 - May 2019

**Role: UI, Frontend Developer**

**Roles & Responsibilities:**

* Created the front-end UI application using HTML5, CSS3 and Angular.JS.
* Developed new features as part of enhancement of the existing application.
* Part of the migration from existing Angular.JS to React JS.
* Designed custom HTML directives in custom features development.
* Implemented Angular $http service for remote server communications to make calls to backend services.
* Built dynamically generated dropdown lists using Ajax and jQuery.
* Used jQuery Core Library functions for the logical implementation part at client side for all the applications.
* Extensively worked on React JS components, Component life cycle methods, Forms, Events, States, Props, Keys and Routes.
* Used various predefined components from NPM (Node Package Manager) for configuring the project.

**Environment**: HTML5, CSS3, JavaScript, Angular.JS, jQuery, Bootstrap, AJAX, JSON, Sublime Text Editor, Node.JS, React.JS, Redux, SASS, GIT

**Client: Value Labs - Hyderabad, Ind** Jul 2014 - May 2015

**Role: UI, Frontend Developer**

**Roles & Responsibilities:**

* Created the front-end UI application using HTML5, CSS3 and Angular.JS.
* Developed the UI Screens using HTML, DHTML, XML, Java Scripts, Ajax, jQuery Custom-tags, JSTL DOM Layout and CSS.
* Designed dynamic client-side JavaScript codes to build web forms and simulate process for web application, page navigation and form validation.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using DHTML, HTML, CSS, JavaScript, and jQuery.
* Developed client-side validation code using JavaScript and jQuery.
* Responsible to manipulate HTML, CSS in jQuery as well as making the pages dynamic using AJAX, JSON, and XML.
* Used Bugzilla as the bug tracking system to track and maintain the history of bugs/issues on everyday basis
* Extended CSS as needed to accommodate new data and display types.
* Responsible for quality assurance of finished websites including the validation of web forms and links.

**Environment**: HTML5, CSS3, JavaScript, Angular.JS, jQuery, Bootstrap, AJAX, JSON, Sublime Text Editor, Node.JS, React.JS, Redux, SASS, GIT

**Education:**

* **Master’s Degree in Computer Information Systems** / University of Central Missouri - Warrensburg, MO 2016
* **Bachelor’s Degree in Computer Science Engineering** /CMR College - Telangana, India

**References:** Provided upon request…