**Shiva KumarTekkula**

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**Professional Summary:**

* Having Around 10 years of experience in designing User Interface (UI) applications and professional web applications **using HTML/HTML5, CSS/CSS3, JavaScript, Bootstrap, AngularJS, Angular, EXTJS, React, ECMA Script 5/6, DOM, jQuery, Ajax, XML, JSON, and Node.js server.**
* Extensive Knowledge in developing Single Page Responsive Web Applications using JavaScript frameworks like **Angular, Backbone.js and Bootstrap**.
* Extensive knowledge in object-oriented programming in JavaScript.
* Good Understanding of **Document Object Model (DOM)** and DOM Functions.
* Hands-on experience with **CSS LESS/SASS Pre-Processor**.
* Extensive experience in designing web applications using **HTML, HTML 5, XML, XHTML, JavaScript, Type Script, Angular, AngularJS, CSS, CSS3, DOM and jQuery**.
* Expert knowledge in designing SPA using **Angular.**
* Expertise in MV\* (MVC, MVVM, MVW) frameworks like AngularJS along with Bootstrap
* Experience in third party libraries like **NgPrime, Angular** Material Design.
* Knowledge in **WebPack, Gulp** and **Npm Scripts.**
* Experience in UI Architecture design using Angular components. Thorough understanding of core concepts like Ng Modules, Services, Dependency Injection, and decorators.
* Good Understanding with Google Analytics Universal Analytics, Google Analytics 4
* Good understanding of Design Patters, Data Structures and Algorithms.
* Expertise knowledge in **OOPS** implementation, code consistency and code review.
* Unit testing of **Angular** components, services using **karma-test- runner and Jasmine**.
* Experience in Responsive web design development.
* Extensively used **Angular** features, Directives, Filters, 2-way Data Binding, Services, Templates, Routing, MVC and Dependency Injection to build Single-Page-Applications in a clean and maintainable way.
* Experienced in creating **React.js** web applications with **JSX**, **React nesting components**, **databinding**, **forms, routers** and **Virtual DOM manipulations** with **Redux architecture**.
* Developed **React.js** pages, web services and AJAX calls for the applications used in development of the web application to bind the data/model.
* Experience in using **React.JS** and Client Side Charting technologies such as **D3.js, Chart.js.**
* Experience in implementing and configuring Google Analytics on websites
* Proficient in Web analytics tools, such as Google Analytics, Adobe Analytics
* Strong skills in Relational Databases like **Oracle**, **MySQL** and **MongoDB.**
* Extensive experience in **SQL**, **PL/SQL** programming, **stored procedures**, **triggers** and **Query optimization** with **Oracle**, **MS**-**SQL** and **MySQL** databases. Written queries for **insert**, **update** and **modification** operations. Performed **database normalization** and **optimization** using **database tools.**
* Integrated services like GitHub, AWS Code Pipeline, Jenkins and AWS Elastic Beanstalk to create a deployment pipeline.
* Experience in Unit/E2E/Integration Testing frameworks and libraries like **Jasmine**, and **Karma** for **Angular** and **Node** JS.
* Experience with implementing and configuring web analytics tools on websites
* Experience in Using **Jest, Mocha, Chai, Jasmine, Karma for testing.**
* Experience with **NPM Grunt, Gulp** and **Bower** modules of **NodeJS**.
* Used **JIRA** for bug tracking and issue tracking.
* Worked on Version control systems like **GIT**, **CVS**, **SVN** and **Bit bucket.**
* Experience working in a fast-paced environment using **Agile/Scrum, Test driven development and Waterfall methodologies.**
* Experience in Google Analytics for setting up and utilizing event tracking to monitor user interactions on a website
* Worked on various IDE's **Eclipse**, **Visual studio**, Notepad++, **IntelliJ**, Sublime Text 3, **ATOM**, Net Beans, Web Storm and Brackets.
* Hands on experience working on different browsers like **Safari, Internet Explorer, Mozilla Firefox and Google Chrome and checking cross browser compatibility.**
* Valuable team player with excellent **communication skills, trouble shooting skills** with ability to learn and adapt to new technologies quickly.

**TECHNICAL SKILLS:**

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| **UI Web Technologies** | HTML/HTML5, XHTML, XML, CSS/CSS3, JavaScript, AngularJS, Angular X, ReactJS, NodeJS, AJAX, jQuery, JSON, DOM, ECMAScript 6, Typescript and java.  |
| **Version Control Tools** | GIT, SVN, Bit Bucket |
| **Databases** | Oracle 10g, MySQL, MongoDB |
| **Operating Systems** | Windows XP/Vista/7/8, MAC OS X, Ubuntu, LINUX, UNIX |
| **Web/App Server** | Apache Tomcat, WebLogic |
| **Testing & Debugging Tools** | JIRA, Firebug, Google Chrome Web Debugger, IE developer Tools, jest, Jasmine, Karma, Mocha, Chai, Jenkins. |
| **Workflow Tool kit** | Grunt, Gulp. |
| **IDE’s** | Notepad++, Eclipse IDE, Sublime Text Editor, Atom, Visual Studio, web storm |

**Professional Experience:**

**Client: Cap group (Remote)** **May 2022 to till date**

**Role: Front End Engineer /React Engineer**

**Responsibilities**:

* Participated in all phases of the software development life cycle including **requirements analysis, applications design, development, integration, Maintenance, installation implementation, and testing** of various client-server Web applications.
* Designed the Front-end applications, And Mobile Application As well for user interactive (UI) web pages using web technologies like HTML5, CSS3, Es6 JavaScript, React JS and React-Native/Redux Saga.
* Worked as a Front-End Developer on the project with JavaScript, ES6, React, Redux Saga, RESTful services,HTML5/CSS3/SASS/Bootstrap and Gitlab.
* Implemented Redux Saga's with actions and reducers to implement a sync API calls.
* Made use of redux saga middleware to access redux application state and dispatched redux actions.
* Worked in designing, developing and testing the web application by using the HTML5, CSS3, SASS, LESS, Bootstrap, and React.JS.
* Involved in designing in web pages using HTML 5, XHTML, CSS3, JavaScript, React.js, Redux, React-Bootstrap, Node.js, express.js, Mongo DB.
* Worked in designing the CSS templates for use in all pages on the website working with CSSBackground, positioning, text, border, margin, padding, and table.
* Worked in frameworks as React.js to build high-quality, scalable and reusable components and Front-end solution.
* Developed user interface by using the React HOC, Flux/Redux for SPA development.
* Used React Observables to create custom components for data manipulations and to display data in company standard format.
* Designed layouts on the front-end and developed web pages responsive for smart phones, tablets and Personal desktops using HTML5, CSS3, Bootstrap, jQuery, React HOC, Redux&React Promises
* Implemented React-Router, React Redux architecture, ES6, web pack and Grunt to turn application into Single Page Application.
* Built dynamically generated dropdown lists using ES6 & Chrome DevTools.
* Enhanced the React Observables with Redux, React-router and Redux-thunk.
* Used Redux-Thunk as middleware to manipulate the data type and handle multiple actions.
* Revamping and rewriting front-end using react js, redux, saga, webpack.
* Developed user interface by using the React JS, Flux for SPA development.
* Developed presentation layer using XML, XSL, GitLab JavaScript, CSS, JSP, JSTL, Custom tags etc.
* Delivered mobile app for book reading capability with HTML5 Sencha and online services with Flash/Flex.
* Implemented back-end Web API with the use of MongoDB, ExpressJS, and NodeJS and established connectivity with the use of Axios.
* Achieved APIs calls from back end NodeJS using React axios.
* Working with Axios Library to fetch data from network request
* Elegantly used React-Router techniques Axios service to retrieve data from server synchronously in the background without interfering with the display and existing page in an interactive way.
* Used Babel.js to transpileES6 and JSX into JavaScript
* Designed a web application for both the company user and customer user with different Login and Sign-up authorization using firebase authentication.
* Mobile app written in React Native with a firebase backend currently live in the app store.
* Used Webpack, Babel and gulp for transpiration (compilation) configuration for Typescript to be converted to JavaScript.
* Implemented unit and integration testing for all layers of the applications using frameworks like JUnit, Spock, Mocha, Jasmine.
* Debugging applications in different browsers using Firebug, and testing applications using QUnit, Jasmine karma and Mocha.
* Performed Unit testing on applications using tools like chai, mocha, and enzyme within Test-Driven Development (TDD).
* Bugzilla was used to report and track bugs, JSLint for ensuring quality code.

**Environment:** React.JS, Redux, Axios, ES6, React HOC, React Observables, React Async Await, React Promises, Saga, Thunk, JWT, Typescript, Javascript, HTML5, CSS, Ajax, Bootstrap.JS, SCSS, CORS, WCAG, XSS, SASS, LESS, Java, MYSql, Mongodb, Rest, Node.JS, Express.JS, Microservices, Visual Studio.

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| **Client: Walmart Labs, Sunnyvale, CA****Role: UI Developer****Responsibilities:** | **Nov 2020 – April 2022** |

* Application was developed using **Agile** Methodology, that included iterative application development, weekly Sprints, stand up meetings, Followed Rally for tracking processes and streamlining **Agile** planning.
* Developed application in **Angular 10** with **TypeScript** and implemented **RXJS** (reactive extension) for using **Observable** sequences to allow **async** data streams with out of the box **RXJS** operators in **NGRX** platform.
* Responsible to Style, look and feel of the web page with **SASS** that extends **CSS** with dynamic behavior such as variable, mixing, operations, and functions.
* Developed components as an independent module for reusability across the application.
* Created **Typescript** reusable components and services to consume **REST API's** using Component-based architecture provided by **Angular 9.**
* Implemented **Angular 9** inbuilt directive for angular lifecycle checks and for adding conditionals Confidential template level.
* Created in-house directive for reusability and allowing them to communicate to other components via in-built model configurations.
* Implemented click handlers via **RXJS** in component code snippet. This was done to make an observable sequence out of click event stream and to associate it with data streams, which can be used Confidential the time of subscription.
* Handled data from multiple streams to maintain the sequence and their dependencies by using the **RXJS** operators.
* Implemented **NGRXstore** to maintain the state of the application. **NGRXstore** was used to store results after angular injector observable retrieved the data from backend.
* Added logic to dispatch the action to **NGRXstore**, this was done to update the store and to update components subscribed to that **store**.
* Application was managed solely based on the state populated from the store.
* Created **reducer** functions for the module store to create the parent/child hierarchy.
* Implemented **Router**-**store** and **Resolver** component and handled routing via dispatched actions.
* Made use of **Angular’s** recursive component to build a tree-like structure for the UI.
* Created **Effects** to describe the source of dispatched **actions** and dispatching an action on success with corresponding payload.
* Implemented nested forms by using **NG VALUE ACCESSOR** service for reading and passing the date from child to parent in a reactive form.
* Leveraged **DOM** level event observables via custom directives to manipulate interactive between sibling components.
* Utilized angular material wherever deemed necessary to configure in-house widgets styling.
* Integrated **Adobe Analytics** into Online platform allowing for seamless integration and custom tagging options for **analytics** tracking and reporting.
* Understand all aspects of **Adobe Analytics** (Site Catalyst) implementing tags, **SCode**, **plug**-**ins**, and **servercalltypes**, **cookies, Site Catalyst variables, Link Tracking,**
* **Continues Integration** and **Continues Delivery (CI/CD)** using **CircleCI** that enhance automated and accelerated product release processes lead to on-time and frequent product releases.
* **Node Package Manager (NPM)** is used for managing dependencies in our Angular 9 application.
* Implemented **OAUTH 2** (Rest service authentication) in our application to communicate securely with other protected resources by exchanging access tokens for authentication.
* Worked with **Jest** for **Unittesting** and **Cypress** for **end-to-end testing.**
* Deployed and host the application on **Amazon web service** (**AWS**).
* Designed and developed the application using **SAFE** methodology by breaking down the project to several sprints.
* Used **Azure DevOps** to keep track of **bugs** to reduce **downtime, increase productivity**, and Communication.
* Adhere to architectural guidelines, standards, and delivery discipline processes, while also influencing architectural planning; document the various computer systems enhancements/modifications or information retrievals/updates and update/create procedures in **Confluence**.
* Worked on an **Agile** (Scrum) Development Team to deliver regular updates to business team and project managers.

**Environment**: HTML5, CSS3, SCSS, Flexbox, JavaScript, Typescript, Angular 9/10, Angular-CLI, RXJS, JSON, Observables, Node JS, Angular Material, NGRX Platform (Store, Effects, Router-Store, Store-Devtools), NPM, Jest, Cypress, Adobe Analytics, GIT, Visual Studio Code, .NET, REST API, Swagger, DOM, Bit bucket, Circle CI, Auth0, AWS, Azure DevOps, Confluence.

**Client: The General insurance- Nashville, TNJan 2018 – Oct 2020**

**Role: React Developer**

**Responsibilities**

* Involvement in all stages of Software development life cycle including Analysis, development, Implementation, testing and support.
* Developed user interface by using the **React JS, Redux** for **SPA** development.
* Involved in responsive design and developed a single **ISOMORPHIC** responsive website that could be served to **desktop, Tablets** and **mobile** users using **React.js**.
* Developed client-side Interface using **React JS**.
* Used **React-Router** to turn application into **Single Page Application**
* Used **ReactJS components, Forms, Events, Keys, Router, Animations and Flux concept**.
* Building stable **React components** and **stand-alone functions** to be added to any future pages.
* Developed the **Drag** and **Drop functionality** using **React-Draggable**
* Component for **UX-Library** consisted of **Button, Checkbox, Input, Icons, Toggle Button, Dropdown, Multi-Level Dropdown** and **many more.**
* In Phase Two, worked closely with the **Back-End team** to display data using the **Custom Components, library Components**, and **Redux**.
* Created and used **Reducers** that received said Actions to modify the **Store State Tree**.
* Maintained **states** in the stores and dispatched the actions using **redux.**
* Used **Middleware, Redux-Promise** in application to retrieve data from **Back-End** and to also perform **RESTFUL services**.
* Added dynamic Functionality by creating and dispatching **Action Creators** that deployed Actions.
* Optimized **animation logic** with **optimistic functions** to increase performance in rendering.
* Works with backend engineers to optimize existing **API calls** to create efficiencies by deprecating unneeded **API calls**.
* Used **Object Oriented Programming** concepts to develop **UI** components that could be reused across the **Web Application**.
* Used **Git** for version controlling and regularly pushed the code to **GitHub.**
* Works with **JASMINE** unit test framework to write unit tests for **JavaScript** code.
* Knowledge on **Node.js** environment set-up and interacted **Node** Service team to get the Service.

**Environment:** HTML 5, CSS3, Sass, Less, JavaScript, Bootstrap, ReactJS, Redux, Ajax, My SQL, XML, XSL, XSLT, JSON, Git hub, Restful API, AWS, Mongo DB, HP Quality Center, Jasmine, and Web Strom.

**Client: Global Logic Technologies, Hyd, India Mar 2015 – Nov 2017**

**Role: React Developer**

**Responsibilities:**

* Involved in designing and developing the web pages using HTML 5, CSS3, JavaScript, Bootstrap, SASS, LESS, **React JS, Redux, Node JS, and Mongo DB**.
* Responsible to Style, look and feel of the web page with SASS that extends CSS with dynamic behavior such as variable, mixing, operations and functions.
* Worked on **React JS** Virtual Dom and React views, rendering using components which contains additional components called custom HTML tags.
* Involved to implement various screens for the front end using React.js and used various predefined components from **NPM** (Node Package Manager) and redux library.
* Consumed Material-UI styled-components to build dynamic templates and views or style the **Material-UI components**.
* Used Material-UI library to create responsive application.
* Worked in using React JS components, Forms, Events, Keys, Router, Animations, and Redux concept.
* **Used CSS, Reactjs, Redux, saga, Thunk, react HOC, Material-UI, React Bootstrap, Axios, flux, mobx, nextjs, sass, less, Lodash for applying style in entire applications.**
* Migration of Existing Application to **AWS cloud and used AWS services** like EC2, S3, RDS, CloudWatch and Cloud Front for promoting code in various environments.
* Created and Managed **AWS** User Accounts, Log Management, Reporting, Group Policy Restrictions.
* Implemented stable React components and stand-alone functions to be added to any future pages.
* Responsible for React UI and architecture. Building components library, including Tree, Slide-View, and Table Grid.
* Consumed REST based Micro services with Rest template based on RESTful APIs.
* **Involved in customizing the JSX files for rendering the UI in implementing React JS.**
* Used React JS for templating for faster compilation and developing reusable components.
* Used front end web development tools HTML5, CSS3, JavaScript, Typescript, Bootstrap, Angular4 to design UI.
* Used Bootstrap to create more responsive webpages, which can be compatible with all the browsers and compatible with the different devices.
* Used a React/Redux front end and **GraphQL/AWS** backend to build a SAAS platform for users.
* Part of the team that implemented the Web Sockets feature for API Gateway. The application is able to act as proxy web socket server, intercepting, authenticating and authorizing web sockets messages in both ways.
* Hands on Experience on HTTP, Web sockets, SIP and DNS network packet and communication flow analysis.
* Wrote and provided appropriate application user guides for end-users and system admin as well as developed and maintained all documentation that pertained to programming projects.
* **Worked on Restful web service calls for POST, PUT, DELETE and GET methods.**
* **Developed Restful Web Services using Spring MVC implementation.**
* Develop responsive pages and templates for use in a Wordpress development environment.
* Ability to produce responsive websites for desktops, tablets and mobile devices.
* Knowledge of HTML, CSS, and responsive web design.
* Provide support to team by performing accessibility testing, advising,& on **accessibility** best practices for web, mobile native, and mobile web for both IOS and Android devices.
* Provided remediation guidance for accessibility best practices from early design stage through production following with automation and manual tools.
* Analyzing code review and fix them and screen reader review for accessibility issues.
* Collaborating with development team to resolve most common accessibility issues.
* Designed the architecture and user interfaces as per the requirements.
* Worked on Custom Renderers to get the native look and feel for the application.
* Created Portable class Library for targeting specific platform and used interfaces to provide platform specific functionalities.
* Worked in Agile Environment and attended meetings regularly to show the functionalities implemented and worked closely with business analyst and solution architect.
* **Used Team Foundation Server (TFS) for Code base management.**
* Wrote unit tests cases to test the controllers and services using with Jasmine Framework and run the test cases using the Karma.
* Responsible for development and support written in JSP, Servlets, Struts, Hibernate and Web Services.
* **Utilize in-depth knowledge of functional and Technical experience in Java/J2EE and other leading-edge products and technology in conjunction with industry and business skills to deliver solutions.**
* Designed application modules, base classes and utility classes using core java.
* Front end of application has been implemented with Spring MVC architecture with Junit test cases and interceptor for the validation of the secured cookie.
* Developed business components using Spring API (Stateless Session Factory).

**Environment:** HTML, CSS, JavaScript, **React JS, Redux**, Bootstrap, **Jasmine**, Java, TFS, NPM, VS code, Karma, **Typescript, ES6/5**, GIT.

**Client: Honey Well- India Jan 2013 – Feb 2015**

**Role: UI Developer**

**Responsibilities:**

* Analyzed business requirements and participated in technical design, development, and testing of various modules assigned.
* Involved in web designing using **HTML, XHTML, CSS3/5**, **JavaScript,** and extensively used Table Less Design in CSS for positioning.
* Designed Frontend within object-oriented JavaScript frameworks like **Angular JS**, **Node JS**, **Backbone JS, Require JS, and Ext JS.**
* Spring Controllers were used with **Angular JS** to route the control to desired Java service.
* Designed and documented **REST/HTTP** APIs, including JSON data formats and API versioning strategy.
* Developed the database with MySQL and the hierarchical graph visualization using **D3 js.**
* Extensive experience in web design using **CSS3, D3 JS, Bootstrap, and Dreamweaver**.
* Expertise in developing front-end systems with **JavaScript, Bootstrap**, **HTML, and MVC** frameworks.
* With the help of D3 JS, build visual components like area charts, Bar charts.
* Used **jQuery** in controlling access to different pages of the application.
* Developed Components, Pipes, Services, Reactive forms, Observables, routing in Angular6.
* Developed reusable components and services using Typescript to perform CRUD operations based on Angular 2 structure and concept of dependency injection.
* Used **Angular 4** as framework to create a **Single Page Application (SPA)** which can bind data to specific views and synchronize data with server.
* Involved in implementing the complete Application in the in-build MVC Architecture with **Angular 4**.
* Coded **Angular 4** controllers, filters and directives for application functionality.
* Good knowledge on creating services with **Angular 2**. @Injectable property, as to make the service available for dependency injection when creating components.
* Developed **jQuery Custom W**id**g**ets to make easy enhancement of the web pages.
* Developed client-side AJAX application that uses XSLT, XPath, JavaScript OOP, and more Bind objects and retrieves them via **JNDI** interface.
* Developed Web Services for data transfer from client to server and vice versa using Apache Axis, SOAP, WSDL, and UDDI.
* Created design **mock-ups** and **wireframes** using MS PowerPoint, Adobe PhotoshopCS4, and Dreamweaver CSS3.
* Created an internal browser-based text editor using **HTML, CSS, JavaScript, and** Backbone JS**.**
* Co-ordinate with QA for testing, Production releases, Application deployment, and integration.
* Designed and developed many **PL/SQL** batches using JAVA with connectivity to Oracle for data maintenance and handling.

**Environment: HTML, JavaScript, Angular js, Angular 4/2, AJAX, CSS, Bootstrap, XML, EJB, PL/SQL, Glassfish, JUnit, SOAP, SAX Parser.**