**Bala Murali Krishna S**

**UI Developer**

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**PROFESSIONAL SUMARRY:**

* Over 9 years of professional experience as a Front-end Developer, specializing in the creation of web applications, mobile web applications, and software solutions tailored for consumer-facing products.
* Developed applications with full-stack JavaScript using React, Redux and NodeJS.
* Hands-on experience on using new standards of JavaScript ES6 along with HTML5 and CSS3.
* Expertise in building Single Page Applications in ReactJS, Angular8 and BackboneJS.
* Experience with performance measurement tools like Speed Curve, Web Speed Test, Lighthouse, and Page Speed Insights to measure the performance of the application on different platforms.
* Experience in designing User Interface (UI) applications and professional web applications using HTML5, CSS3, JavaScript, Angular, NG Platform, React JS, Redux, Web API, Node JS, jQuery, AJAX, JSON, XML. Solid proficiency with UI and web usability best practices.
* Knowledge of the Software Development Life Cycle SDLC Waterfall in depth Agile Scrum also includes client interaction for requirements gathering, design, documentation, development, integration, testing, configuration, and deployment support.
* Dedicated UI Developer with a strong focus on accessibility and expertise in creating WCAG-compliant user interfaces.
* Good understanding of RESTful APIs and experience in using API Testing tools like Postman and Insomnia.
* Strong experience in JavaScript, Servlet and JSP development.
* Built cross-platform responsive web applications to support all device resolutions.
* Good experience on all the Atlassian products like Jira, Bitbucket and Confluence.
* Performed A/B testing using tools like Optimizely to improve form conversion.
* Experience in building applications with Firebase (Realtime Database/Fire store).
* Performed Test Driven Development using testing frameworks like Jest, Cypress, Enzyme and Mocha.
* Developed and Implemented Dashboards with Three.js and WebGL.
* Used Google Tag Manager to perform tag management and analytics for the marketing department.
* Used tools like Browser Stack and Chrome Dev tools to perform cross browser testing.
* Used Figma screens to replicate the same in the real time app by extracting the information on typography, redlines, colors, measurement and more to match the requirements from the business and legal teams.
* Translated designs and style guides provided by the UX team into interfaces, ensuring cross browser compatibility and performance.
* Used Docker to containerize the application and deployed it on GCP using Kubernetes and App Engine.
* Good knowledge of working with AWS like EC2, S3, Amazon RDS, Elastic Load Balancing, AWS identity and Access Management.
* Used Bitbucket Pipelines for continuous integration and continuous delivery (CI/CD) of the application.
* Using: React, Redux, AWS, Google Cloud Platform, Kubernetes, App Engine, Underscore, Gulp, ES6, PHP, Foundation, Webpack, Grunt, jQuery, HTML5, CSS3, Git, Browser Stack, Handlebars, Optimizely, Google Tag Manager, SASS, LESS.

**TECHNICAL SKILLS:**

**Languages** : Python, PHP, HTML5, CSS3, JavaScript, Unix Shell Scripting, OOPs, C++, Java, C#, TypeScript

**Tools** :  Visual Studio Code, EclipseIDE3.6, Sublime, Net beans, Adobe Dreamweaver, Atom, Git, Jenkins, Selenium IDE, Selenium Web driver, Find Bug, Eclipse, Figma

**Frameworks** : Angular6/8/12/14, Express, CodeIgniter, JUnit, React, React Native, Ionic, JACOCO, PIT Mutation, JMeter, Hadoop, Flask

**Cloud Services :**  Amazon Web Services (AWS), Google Cloud Platform, Microsoft Azure

**Networking**  : DHCP, DNS, TCP/IP, Wireshark

**Databases**  : Oracle 9i, MySQL, NoSQL (MongoDB), PostgreSQL

**Operating System** : Mac OS, Windows 2008 R2, Windows 7/10/11, UNIX, Linux

**WORK EXPERIENCE:**

**Client: Cox Communication, Atlanta GA March 2022 -Present**

**Role: React Developer**

**Responsibilities:**

* Managing the end-to-end project implementation and rollout, including third party integration & on ground testing.
* Designed the Front-end applications, and Mobile Application for user interactive (UI) web pages using web technologies like HTML5, CSS3, ES6 JavaScript, React JS and React-Native with 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 call.
* Made use of redux saga middleware to access redux application state and dispatched redux actions.
* Experience with Git and Implemented of DevOps for source control activities
* Worked on designing, developing, and testing the web application by using HTML5, CSS3, SASS, LESS, Bootstrap, Tailwind and React.JS.
* Designed and implemented custom forms using Hook Forms, React, and Redux.
* Involved in designing web pages using HTML 5, 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 CSS Background, positioning, text, border, margin, padding, and table.
* Worked in frameworks such 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.
* Implemented React-Router, React Redux architecture, ES6, web pack and Grunt to turn application into Single Page Application.
* Utilized A/B testing to optimize the placement to key call-to-action buttons, resulting in a 12% increase in user engagement.
* Built dynamically generated dropdown lists and Reusable Components 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.
* Proficient in ensuring WCAG 2.1 compliance in web design and development projects.
* Revamping and rewriting front-end using react.js, redux, saga, webpack.
* Developed user interface by using ReactJS, Flux for SPA development.
* Implemented back-end Web API with the use of MongoDB, Express.JS, and NodeJS and established connectivity with the use of Axios.
* Fetched data with APIs calls from back-end NodeJS using React Axios.
* Elegantly used React-Router technique, Axios services 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 transform ES6 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.
* Created Docker images using a Docker file, worked on Docker container snapshots, removing images and managing Docker volume and Implemented Docker automation solution for Continuous Integration / Continuous Delivery model.
* Implemented unit and integration testing for all layers of the applications using frameworks like JUnit, Spock, Mocha, Jasmine.
* Collaborated with back-end developers to define and evolve the GraphQL schema that UI will interact with. This includes specifying types, fields, and operations.
* Repeatedly worked on AWS Cloud platform and its features which include EC2, VPC, AMI, RDS, SES, S3, Route 53, IAM, Cloud Formation, Cloud Front, and Cloud Watch. Extensively work on Jenkins and Hudson by installing, configuring, and maintaining for the purpose of continuous integration (Cl) and for End-to-End automation for all build and deployments.
* Utilize AWS services such as Amazon CloudFront to optimize content delivery and reduce latency for end-users by using Content Delivery Networks (CDNs).
* Ensure that your UI applications adhere to AWS best practices and compliance standards to maintain a secure environment.
* 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, redux-thunk, JWT, TypeScript, JavaScript, HTML5, CSS, Ajax, Bootstrap.JS, SCSS, CORS, WCAG, XSS, SASS, LESS, Java, MySQL, MongoDB, Rest, Node.JS, Express.JS, Micro services, Visual Studio

**Client: Visa Austin, Texas Nov 2019-Jan 2022**

**Role: UI Developer**

**Responsibilities:**

* Responsible for developing user interface pages using Angular 6/8/9/12 along with HTML5, CSS3, JavaScript, Node JS, Typescript, Bootstrap and RxJS library.
* Designed and developed various Web forms, and Web Components using HTML, CSS, Bootstrap and TypeScript, Angular12.
* Designed UI screens using Figma and Adobe Photoshop.
* Used Bootstrap which can easily manipulate modal windows alerts, tooltips, Pop over, button, type head, etc.
* Used JIRA for assigning user stories and for task runner, used Gulp. Created documentation for all the components which are developed with Angular-Bootstrap pages.
* Integrating OAuth authentication and authorization into applications. OAuth is a protocol used for secure and delegated access to resources, often for user authentication and authorization.
* Experience in using GIT for pulling and committing the developed content from/to the GIT repository and version control system.
* Good experience of debugging JavaScript, CSS3 and HTML5 code.
* Used Angular 9/12 routing to define the routes in JSON files and Angular 9/12 factory providers, services to make Restful calls to get data in JSON format.
* Designed applications that execute on various browsers such as Internet Explorer, Mozilla Firefox, Google Chrome, and Edge.
* Involved in the development of REST Web Services using Spring Cloud to extract client-related data from databases and used POSTMAN for testing RESTFUL API web services.
* Used Node.js for developing the presentation layer to reduce duplicate traffic to the server by implementing features of NGINX like HTTP Caching and reverse proxy.
* Used Node.js to run Web pack tasks and build properly the project.
* Developed Date Time Picker using Object Oriented JavaScript extensively.
* Designed and developed base classes, framework classes and re-usable components.
* Involved in Understanding functional specifications and developing creative solutions to meet business requirements.
* Worked closely with the project management and marketing team to completely define specifications to help ensure project acceptance.
* Implemented Micro services using Spring boot, spring based Micro services.
* Developed Web Services using RESTful to retrieve data for client side. Good exposure on Log4J for logging, debugging and error tracing. Developed JUnit test cases for unit test of all developed modules.
* Experienced in implementing inclusive design practices to create user interfaces accessible to individuals with disabilities by considering ADA.
* Conducted comprehensive accessibility audits using tools like WAVE and manual testing methods to identify and resolve WCAG-related issues
* Worked in container-based technologies like Docker and OpenShift.
* Creating Typescript reusable components and services to consume REST API's using Component based architecture provided byAngular8/12/.
* Implementing Angular Router to enable navigation from one view to the next as customer performs application tasks.
* Developed single page applications using Angular, Typescript, web pack and grunt.
* Involved in creating CR for the initialization of the deployment process.
* Attached QA/SIT/UAT approvals and the list of objects that need to be deployed.
* Developed on MVC framework providing very clean division between controllers, flexibility with the use of interfaces and providing thin web layer over business layer.
* Used Drupal for maintenance of our web application and as a part of CMS platform.
* Created client surveys and displayed the results in a dynamic report (d3JS, jQuery)
* Used Local Storage to store & retrieve insensitive user data during transition between the different pages and components within the application.
* Supporting deployment and complete post deployment validations with the applications.
* Involved in developing HTML and JavaScript for client-side presentation and data validation on the client side within the forms.
* Used Cypress, to write comprehensive and well-structured test cases that cover various user interactions and scenarios within the application's user interface.
* Working on the unit test cases to test the functionality of the code written not only through the component level but also through the DOM level using Karma test runner and Jasmine framework.

**Environment:**HTML, CSS3, JavaScript, Typescript, JSON, Angular8/10, ES6, Node.js, Bootstrap, Visual studio Editor, GIT, JIRA. Gulp, Jasmine.

**Client: - ABBVIE, India Jun 2016- Sept 2019**

**Role: - UI Developer/React JS Developer**

**Responsibilities:**

* Developed SPA using React JS to utilize the HTML5 DOM features and update elements that are modified in the webpage.
* Developed Web Pages by using HTML5, CSS, jQuery, JavaScript and using JavaScript frameworks.
* Built the Responsive UI screens using HTML5, CSS3 and twitter Bootstrap.
* Responsible for converting designed mock-ups to HTML pages using HTML5, CSS and jQuery.
* Designed Frontend within object- oriented JavaScript libraries like React.js.
* Used React JS for building compostable and reactive user interfaces.
* Implemented various screens for the front end using React.js and Redux library.
* Used React-Router to turn application into Single Page Application.
* Experience in React JS and working with React Flux architecture.
* Involved in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Involved in building stable React components and stand-alone functions to be added to any future pages.
* Used Redux for the higher order decoration for wrapping each component with UI state and actions.
* Massive re-design of client site from HTML form handling to cleaner Redux-Form.
* Configured routes between React JS and Flask to render the templates from the server-side.
* Used J Query in directly manipulating the DOM yet separating the React JS Components.
* Used React JS with Redux to separate the data and presentation layer. Utilized Redux stores to handle the states and update the UI.
* Used ES6 to develop the reusable code to handle parameter.
* Used various plugins on babel to compile JSX to create elements.
* Used XSRF and CSRF for Authentication.
* Developed POC’s for the Authentication model using various security features in it.
* Used JWT format to secure the tokens. And after the authentication is done everything will be maintained by the server not on the web application. In this way we secured the token no one steal the token to hack the server.
* Added react-router with secure navigation and unsecure navigation.
* Created a state management in react application using redux for the data flow within the application.
* Configured redux store, reducers, and actions. Used sagas for handling middleware and ‘fetch API’ for REST services. Involved in developing presentational and container components using React and JSX.
* Used react-data grid to populate the dynamic data within the table. Used react-bootstrap and SASS for handling responsiveness in the application and parse correct styles on prop changes.
* Solid understanding of React Virtual Dom Algorithm, for React performance optimization.
* Implemented dynamic page elements and form error validations.
* Developed mock APIs to test the framework autonomous.
* The way we implemented React framework it will render data from the endpoint no matter what the data is. Column names will also load from the End points.
* Implement mechanisms to prevent CSRF attacks by using tokens and enforcing secure patterns for handling state-changing requests.
* Implement HTTPS and ensure secure communication between the client and server. This helps protect sensitive data transmitted over the network.
* Configured web pack to trans-pile JSX to ES5 using Babel, Added CSS-loader and sass plug-in for pre-compiling SASS to CSS. Used HTML5 plugin to create the index.html file with generated hashed JS and CSS files. Added proxy for web pack-server.
* Used Bit-Bucket for version controls.
* Refactored or rewritten the front-end code using React that was in .NET technologies, to work with Node.js and Express.js.
* Resolved Cross Browser Compatible Issues for different versions of IE, Safari, Chrome, Firefox, and Opera.
* Updated to Node server from Apache.
* Worked on creating and removing files and directories in Linux servers.
* Participated in moving Bower to NPM package.
* Optimized websites for compatibility with leading screen readers, such as JAWS, NVDA, and Voice Over.
* Achieved WCAG AA compliance for multiple web projects by meeting specific success criteria.
* Worked closely with product, UX and business team to build applications & reach business goals through front end development and UX.
* Incorporate secure design patterns into the user interface to ensure that the application's user interactions and flows are resilient against common security vulnerabilities.
* Used Jira board for the work developments and defects tracking.
* Updated the Confluence page after each task and raised the issues to check the updated application and responded on the confluence page.

**Environment:** React, Redux, Babel, react-bootstrap, JSX, promises, Node.js, CSS3, Jenkins, JSON, JavaScript, Web pack, Bit Bucket.

**NEOSOFT Technologies, Hyderabad, India May 2014 – May 2016**

**UI Developer**

**Responsibilities:**

* Designing and developing dynamic web pages using HTML5, CSS3, LESS, SASS, JavaScript. jQuery, AngularJS for single page applications.
* Used Angular JS multiple in-built directives and APIs in Angular JS and Node.js such as filters, root scope, child scope, modal, template, state etc.
* Developed custom directives in AngularJS for the application independent components like sticky header for window or table, custom dropdowns, tables, checkboxes, radio buttons, notifications, chevrons, graphs, date pickers, pagination etc.
* Worked with ASP .net experience along with C# language for the backend.
* Re-developed a single page application using Angular JS which was supported in IE 8, 9, 10, 11, Firefox, Chrome.
* C# was used to create the backend APIs that expose information and functionality to the frontend. APIs created to authenticate users and carry out CRUD (Create, Read, Update, Delete) operations on databases.
* RESTful APIs are created with ASP.NET Web API and made available to Angular applications. These APIs offer endpoints for front-end requests and provide JSON-formatted data in their responses.
* Developed single page applications from start to finish giving it a new look using HTML5/, CSS3/ AngularJS.
* Implemented HTML5 features like local storage, data and required attributes and sliders.
* Used Angular for templating for faster compilation and developed reusable components.
* Participated in scrum-related activities and Daily Scrum Meetings.
* Developed Mobile view for existing screens using CSS3 Media-Queries.
* Worked with SVN to manage the repository.
* Responsible for creating the screens with table-less designs meeting W3C standards.
* Performed unit testing and integration testing.
* Developed CSS styles to maintain the uniformity of all the screens throughout the application and positioning of screen objects.
* Worked with ng-messages in Form-Validation and displaying the error messages.
* Worked with jQuery UI plug-ins like widgets, interactions, and effects.
* Provided Log4j support to the application for debugging the system and server-side logging.
* Re-designed/developed the main website to improve user experience and add new functionality of CSS3 layouts using GRID, Media Queries, and syntax by use of pre-processors SASS.
* Analyzed business requirements, participated in technical design, development and testing of modules.
* Experienced in working with Babel, Gulp, NPM, NPM scripts, and Webpack in application build and deployment processes.
* Setup production dependencies for application are Webpack, Grunt, Babel, Polyfilla.
* Worked with build tools like NPM, Bower, and Grunt.
* Worked on Cross-Browser compatibility and fixed the bugs for several browsers.

**Environment:**CSS3, XML, HTML5/DHTML, CSS3, JavaScript, Tomcat Apache, jQuery, JSP, REST API, Oracle, AJAX, Web RTC, SVN, Angular JS.

**EDUCATION:**

**Degree:** Bachelor of Technology

**Stream:** Electronics and Communications

**University:** SVUCE, India.

**Graduated Year**: 2014