[Subbarayudu Ch](https://www.linkedin.com/in/srcsubba/)

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SUMMARY: -

* Experienced Full Stack Engineer with 8.5 years of expertise in developing Single Page Applications (SPA) utilizing React.js, Redux for the front-end and Node.js, Express.js for back-end microservices and serverless functionalities.
* Skilled in both front-end and back-end technologies, emphasizing scalable and effective solutions.
* Experience in designing and developing RESTful web services using micro services architecture and deployed on NodeJS.
* Worked on full-stack development on the Front-end (React and React-native) and Backend (NodeJS).
* Developed iOS/Android Apps using React Native.
* Deployed and managed Node.js applications on AWS platforms, such as using Elastic Beanstalk for easy deployment and scaling, or EC2 for more customized control.
* Configured and managed Elastic Load Balancers to distribute incoming application traffic across multiple instances.
* Developed custom pingID authentication, incorporating OAuth 2 and SAML login security, centralizing the process for scrum team use.
* Created 20+ serverless Lambda functions using Nodejs and set up Terraform and Git runner to streamline the development workflow.
* Designed and established 12+ CI/CD pipelines from the ground up, deploying apps both in VPC and on-premises environments.
* Proficient in developing web pages using ReactJS, Node, jQuery, HTML5, CSS3, Responsive Web Design, and Bootstrap.
* Good experience in developing and designing user experiences of web GUI applications using Struts framework, Swing, HTML5/HTML/XHTML, CSS/CSS3, JavaScript, jQuery, and Ajax.
* Conducted API testing via SoapUI and Postman and performed load testing with LoadRunner.
* Utilized Node.js, Socket.io, Redis, Supervisor, Grunt, Yeoman, and Angular for scalable website architecture and real-time technology.
* Proficient in building Web User Interface (UI) using CSS, JAVA, RWD, JSP, JavaScript, DOM, jQuery, and AJAX that follows W3C Web standards and are browser compatible.
* Implemented step definitions in Node.js code to map BDD scenarios to test automation scripts.
* Integrated with mocking libraries such as Sinon.js and Jest's mocking capabilities to isolate dependencies and ensure test reliability.
* Experienced in React JS and working with Redux architecture.
* Proficient in using AJAX for implementing dynamic Web Pages where the content was fetched via API calls and updated the DOM (JSON Parsing).
* Used Web Services like SOAP and RESTful web services using Ajax, HTML, XML, JSON, JavaScript, and jQuery.
* Design and development of Server Side Rendered Progressive Web Applications built with ReactJS, Next.js, Node.js, Firebase and Material - UI using HTTPS, Web App Manifests, Service Workers, and browser APIs.
* Expertise in building user interface/SPA with ReactJS along with React-router.
* Experience in using build tools, Gulp, Grunt, NPM, Webpack, Webpack-loaders, REST Web Services for package management and installation.
* Experience in using Webpack as module bundler and performing most of the tasks.
* Involved CI/CD pipelining using Git Bucket code repository and Jenkin server.
* Contribute to the development of GraphQL APIs.
* utilized Remix framework for rendering on servers (SSR).
* Implemented the code and writing the tests with TDD cycle.
* Have a good understanding of setting up & managing cloud servers like AWS, Microsoft Azure etc.
* Major part of coding, involving React JS, Redux,GraphQL and NPM Modules to enhance the reusable components.
* Wrote data mutations in GraphQL which allows user to update their username and password information.
* Experience in Microservices Architecture with Spring Boot and Docker.
* Specialized in crafting presentation and CRUD operation microservices.
* Authored custom npm and yarn modules for routine security, login, and testing tasks, eliminating redundant code.
* Experienced in developing Content Management Systems (CMS) and ensuring web adaptability and responsiveness.
* Well-versed with WAI-ARIA tags and proficient in troubleshooting and rectifying issues with aXe. Knowledgeable in addressing cross-browser compatibility issues.
* Proficient in implementing SANDBOX, integrating STRIPE payment systems, and using STRIPE radar for managing suspicious payments.

TECHNICAL SKILLS

* Development language: JavaScript (ES6+), TypeScript, Python, JAVA.
* UI Framework: ReactJS, Redux, Angular 12.
* Back-end: Node.js, Express.js, RESTful APIs, GraphQL, Socket.io.
* Databases: MongoDB, MSSQL, MySQL, CassandraDB.
* AWS Services: EC2, EKS, ECS, Fargate, MKS, Athena, Glue, Kinesis, Lambda, API Gateway, S3, Firehose, Aurora, DynamoDB, Redshift, Sagemaker, EMR, DynamoDB.
* CI/CD: Node, SourceTree, JVM, Version One, Maven, RLM, Git, Terraform, Argo, uDeploy.
* Development Tools: visual studio, Sublime, Eclipse, WordPress, Notepad++, Adobe Photoshop.
* Testing: Mocha, Cucumber, Cypress, JUnit, Nightwatch, FireBug, Karma & Jasmin, Protractor, OMNIBUG, Axe testing, Selenium IDE & webserver, LoadRunner.
* Quality Control: TeamCity, Splunk, SonarQube, Grunt, Gulp, RTC, JIRA, iTrack, SourceTree.

WORK EXPERIENCE

T-Mobile- Frisco, TX December 2022 – current

Role: React/Node.js developer

* Designed and implemented RESTful Node.js APIs and GraphQL endpoints for seamless data exchange between the client and server, improving application performance and data processing efficiency.
* Designed and developed a full-stack funding website based on Node.js, ReactJS Framework.
* 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.
* Architected reusable and scalable UI components using Material-UI and styled-components, leading to a more efficient development process.
* Integrated with Dialogflow using its SDK or REST API.
* Implemented business logic, database integration, and handle data flow.
* Developed React JS custom components, React JS pages, and Web service calls for the application.
* Developed 100 percent unit test coverage for React and node js modules using jest and Enzyme, mocha, chai libraries.
* Used React libraries like react-bootstrap, react-axios, react-redux to make the website make less call to server.
* Implemented pagination by using pagination module. Performed form validations using reactive forms from React framework.
* Used Custom Pipes as filter to provide better search and sort experience. Introduced GraphQL and Apollo Client to improve data fetching efficiency and enhance overall user experience.
* Extensive experience working with the AWS Cloud platform and its various features such as EC2, VPC, AMI, RDS, SES, S3, Route 53, IAM, LDAP, Cloud Formation, Cloud Front, and Cloud Watch. My expertise also includes significant work with Jenkins and Hudson, involving installation, configuration, and maintenance to facilitate continuous integration (CI) and comprehensive automation for all builds and deployments.
* Implemented server-side rendering (SSR) with Next.js, improving initial page load times and SEO rankings for the applications.
* Led the development of greenfield and brownfield products using ReactJS with typescript, creating reusable components and front-end libraries.
* Collaborated effectively using tools like JIRA, ADO, Bitbucket, GitHub, and Confluence in an agile environment.
* Managed backend support with a focus on automation, leveraging my experience in server-side programming.
* Translated designs and wireframes into high-quality code, optimizing components for performance across various devices.
* Designed CSS templates for use in all pages on the website working with CSS Background, positioning, text, border, margin, padding, and table.
* Applied optimization techniques to reduce page size and load times to enhance user experience using sprites.
* Developed user interface by using the React JS, Flux for SPA development. Implemented react JS code to handle cross browser compatibility issues in Mozella, IE 7, 8, 9, Safari and FF.
* Used React-Router to turn application into Single Page Application
* Worked in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Used Web services (SOAP and RESTful) for transmission of large blocks of XML/JSON. Worked on responsive design and developed a single ISOMORPHIC responsive website that could be served to desktop, Tablets and mobile users using React.js.
* Maintained states in the stores and dispatched the actions using redux.
* Implemented the Drag and Drop functionality using React-Draggable Used React-Autocomplete for creating google maps location search on the webpage Added Excel Builder to download the Tabular data in Excel format using react.
* Used Excel Builder 3rd Party open-source library and tweak it to make sure it will work with IE11.
* Used flickity.js for creating carousel-images. 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.  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.
* Created and used Reducers that received said Actions to modify the Store State Tree.
* Worked with backend engineers to optimize existing API calls to create efficiencies by deprecating unneeded API calls.
* Called the Restful web services calls for POST, PUT, DELETE and GET methods.
* Have worked on AWS for fetch the pictures files from AWS to UI.
* Used React flux to polish the data and for single directional flow.
* Optimized animation logic with optimistic functions to increase performance in rendering.
* Conducted regular code reviews, ensuring adherence to best practices, and maintaining code quality throughout the development lifecycle.
* Utilized AWS services for server deployment and monitoring, optimizing application performance and scalability.
* Proven ability to lead and mentor teams, ensuring project success and fostering a collaborative work environment.

Skills: Node.js, React JS, Redux, ES6, ES5, node js, FLUX, AXIOS, Ajax, CSS, JavaScript, BOOTSTRAP, Dialog flow, JSON.

Graphene AI-Bangalore ,India Sep 2021– April 2022

Role: React/Node.js Developer

* Designed and developed server-side logic using Node.js and Express.js to handle data processing and complex business operations, leading to efficient application workflows.
* Utilized various Node.js modules and libraries to optimize applications for maximum speed and scalability, resulting in a 20% increase in system performance and a 15% reduction in operational costs.
* Configured and managed Apache Cassandra clusters for optimal performance and reliability.
* Worked with modules like Cassandra DB services for database persistence using Node.js to interact with Cassandra.
* Worked extensively with Express.js in a Node.js environment to develop robust RESTful web services and middleware configurations, ensuring efficient request handling and response delivery.
* Specialized in creating scalable server-side logic and APIs, integrating with databases and third-party services, and implementing security measures such as JWT authentication.
* Led the implementation of Mocha for backend test automation, resulting in a 30% reduction in regression bugs.
* Skilled in deploying applications on cloud platforms and proficient in using tools such as Postman for API testing and documentation.
* Developed Node.js functions for Lambda, set up API Gateway for HTTP endpoints, and configure IAM roles.
* Used AWS Code Commit/GitHub for code, AWS Code Build for building and testing, and AWS Code Pipeline for automated Lambda deployment.
* Used NPM for installing required node modules and other published NPM modules.
* Involved in developing pixel perfect design as per mockups provided.
* Worked closely with other business analysts, development teams and infrastructure specialists to deliver high availability solutions for mission-critical applications.
* Worked Extensively with React for creating components, Services, pipes, Directives.
* State Management using Redux, Context API.
* Conducted extensive performance analysis and optimization, resulting in a 40% reduction in the application's time-to-interactivity.

Skills: Node.js, React JS, Redux, ES6, ES5, node js, FLUX, AXIOS, Ajax, CSS, JavaScript, BOOTSTRAP, HTML5, JSON, SonarQube.

ADP-Hyderabad, India

Role: Node /React js Developer August 2018– Sep 2021

Responsibilities:

* Worked on server-side web applications using Node.js and involved in Construction of UI using JQuery, ReactJS, Ext JS, Bootstrap and JavaScript.
* Developed a customer-facing platform using React.js and Redux, resulting in a 25% increase in conversion rates and a 20% rise in customer satisfaction.
* Developed Single Page Web Application with React.js, Redux, Express.js, Node.js, REST API, and MongoDB.
* Used Mongoose to write CRUD operations for retrieving and updating data.
* Extensively used Promises and Event Emitter in Node.js to avoid callbacks and more readable code.
* Integrated APIs with React.js/Vue.js applications, ensuring seamless full-stack development.
* Hands-on experience with Agile and Scrum methodologies
* Used React JS for frontend framework and Redux architecture for creating data layers for unidirectional data flow.
* Involved in implementation of RESTFUL web service APIs using Node.js, which were consumed by making AJAX calls and JSON as data exchanging tool.
* Wrote extensive unit and integration tests using Mocha and Chai, significantly improving code reliability and reducing bugs.
* Used new ES6 features in JavaScript like Template Literals, Modules, and Promises
* Integrated Chart.js with frameworks like React.js and Angular for seamless data representation in web apps.
* Used HTML 5 and CSS in the development of the front end of the application.
* Exposure to creating SPA using React JS, by using the concept of Virtual DOM.
* Implemented XML parsing vs JSON parsing for data handling on different applications.
* Regular interaction of RESTful API design calls to populate the UI on the app using some crud operations like GET, PUT, POST, and DELETE.
* Built highly reusable UI components with React JS and Styled Components to increase scalability and reusability.
* Designed and developed the agent portal using framework React JS along with HTML5, CSS3, and Typescript
* Used AJAX framework for asynchronous data transfer between the browser and the server.
* Developed API back ends using Node.js to allocate access to data in MYSQL.
* Designed PDF, Excel, and Print previews for all the reports in the application using HTML, JavaScript, Type Script and SQL Stored Procedure.
* Used React Hooks to use state and lifecycle methods inside functional components to decrease complexity and improve maintainability and extensibility of system.
* Tested components made with Stencil.js, including end-to-end, integration, and unit tests.
* knowledge of deployment techniques or CI/CD pipelines for Stencil.js projects.
* Involved Webpack as module bundler to preprocess and minify different files such as TypeScript and SASS files.
* Designed and developed the front-end website for a fast intuitive user experience using next.JS for better SEO.
* Used React-autocomplete for creating Google Maps location search on the webpage.
* Utilized React for its efficient data flow architecture to create a lightweight and render efficient web app that searched projects via the GitHub API through keywords.
* Experience with cloud-based technologies and services, especially with AWS services like EC2 and S3.
* Provisioning &amp; deployment of the Cloud Infrastructure to be hosted in Microsoft Azure.
* Have worked on Azure to fetch the files from Azure to UI.
* Introduced Redux Toolkit and Immer.js for state management, reducing boilerplate code and improving code maintainability.
* Did POC work for various features like SiteCatalyst, Doc uploading, integrating slack, Mock server for local development.
* Implemented accessibility features, resulting in compliance with WCAG standards and improved usability for users with disabilities.
* Expertise with integrating SiteCatalyst tracking for business expansion and generating reports on Firebug, Fiddler, Chrome, Adobe Omniture.
* Collaborated with UX designers to create interactive and user-friendly interfaces, translating wireframes and mockups into high-quality UI components.
* Updated Wiki page which acts as developer guide for future developers using the Scrum components. Participated in sprint planning meeting and prioritizing the components to deliver.
* Implemented a robust authentication and authorization system, ensuring secure access to sensitive data and protecting user privacy.

Skills: React JS,Node js, Express JS, Redux, ES6, ES5,FLUX, AXIOS, Ajax, CSS, JavaScript, BOOTSTRAP, HTML5, JSON, SonarQube. jQuery, Web sphere application server, Bootstrap, MVC, JAVA, JSP, Perl, JavaScript, Design patterns, CSS, XML, SOAP, CSS3, Stencil.js,C#, Responsive web design, Rest full API’S, Web Services, PL/SQL, UML, Ajax, JUnit, JIRA, ClearQuest.

ATOS-Bangalore, India March 2015 – August 2018

Role: UI Developer

Responsibilities:

* Involved in Design and planning of project from Day 1. Consumed custom built React js components in developing the application.
* Used React JS and Redux architecture for creating data layers for unidirectional data flow.
* Developed React JS custom components, React JS pages, and Web service calls for the application.
* Built React JS components library, including Tree, Slide-View, and Table Grid.
* Developed and maintained scalable and efficient front-end applications using React.js, focusing on integrating SVG for advanced visualizations.
* Develop 100 percent unit test coverage for React modules using jest and Enzyme libraries
* Used Webpack, Babel for transpilation(compilation) configuration for Typescript to be converted to JavaScript.
* Using React for cross-platform interoperability, developing mobile applications for Android and iOS.
* Worked with React JS components, Forms, Events, Keys, Props, Router, Animations, and Flux concept.aw
* Used React Hooks to develop UI Componebts that could be reused across the web Application.
* Adopted React router to construct a single-page application,which provided users a seamless and user- friendly experience during switching pages.
* Worked on React hook using javascript to manage status of controlled components ,such as visibility of some information and accessibility of a button.
* Designed and developed a full-stack funding website based on Node.js, ReactJS,Word press, PHP and Slim Framework.
* Checked authentication by using React lifecycle hook and Redirect method to prevent unauthorized visiting.
* Utilized React props to transfer necessary data from parent component to child component.
* Using React for cross-platform interoperability, developing mobile applications for Android and iOS.
* Developed custom reusable components using React JS.
* Used JIRA for project management as well as for Bug tracking.
* Used Git as source code version control and deployed the API to a server on AWS to achieve auto-scaling.
* Used SVG and Canvas to define the graphics of the web.
* Experience in working with MVC Architecture and also in using version control (SVG)
* Built unit-test for the code developed using Jasmine.
* Maintain the backend components of the application using PostgreSQL.
* Responsible for making responsive web pages using Twitter bootstrap and media queries.
* Created and tested scripts using jQuery on various browsers Chrome, Firefox, Opera, Safari, IE, etc.
* Handled response data from RESTFUL webservices using XML, JSON, and jQuery to update UI Interacted with java controllers (jQuery, Ajax, and JSON to write/read data from back-end systems).
* Followed TDD approach by writing unit test cases using Jasmine framework. Used Karma test runner to run test cases.

Skills: Java, Spring boot, SQL, Oracle, Postgres, Cassandra, HTML, HTML5, CSS, CSS3, Bootstrap,Typescript, JavaScript, ES6, React JS,C#, React-redux,Vuejs, Node JS, Next JS,Stencil.js,JSON, JEST, Jenkins, GIT, Bitbucket, Dynatrace, Splunk, Agile Scrum, waterfall methodologies and Restful web services, React JS, Java, J2EE, Service Now, ECP, Iguazu-RPC, Docker, CICD

**EDUCATION: -**

JNTU-Anantapur: Bachelor of Technology – Computer Science and Engineering April 2015

Harrisburg University of Science and Technology-MSc- Computer Science May-2023