Surendar Baddam

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Professional Summary:

- Around 13 years of professional experience in all phases of Software Development Life Cycle (SDLC) including Requirements Gathering, Analysis, Design, Implementation and Maintenance and testing various methodologies along with wide-ranging skills in web application development.
- Experience in Designing and building dynamic and user interactive websites using HTML5, CSS3, Figma ,AJAX, JavaScript, AngularJS, Angular 2+, Bootstrap, Node.js and JQuery.
- Worked on SPA (Single Page Web Applications) using RESTFUL & GraphQL, web services plus JavaScript frameworks, Ajax, Bootstrap, and Angular 2 to 14 and Node.js.
- Extensively used NgRx as a state management tool.
- Involved in deploying the application using Jenkin CI/CD pipelines.
- Experienced in all phases of SDLC including requirements Analysis, Design, Development, Debugging and Testing, Integration, Deployment.
- Worked on Multiple Frontend libraries like Flex Layout, Angular Datatables, Ngx Datatables, Ngx Charts, Ngx Logger and frontend testing tools like Karma and Jasmine.
- Strong Object oriented Javascript programming skills with proficiency in multiple javascript based frameworks.
- Follow agile methodology and extensively use JIRA for tracking.
- Used Git, Bitbucket and Jenkins for the continuous integration and deployment.
- Good Expertise on using CVS, SVN, GIT for Source code version control and various IDEs like IntelliJ, VS Code and Eclipse.
- Team Player with good analytical, technical, problem solving, communication and interpersonal skills, with ability to interact with individuals at all levels and can work as a part of a team as well as independently.

Technical Skills

Languages	IONIC ,HTML, Figma ,Javascript, TypeScript, CSS, SCSS.
Frameworks	Angular, Angular Material, Node JS, JQuery, Bootstrap,Figma and Miro,flow diagrams, and prototypes, PrimeNG,AWS
Testing Tools	Jest, Jasmine, Karma, Cypress and Cucumber
Methodologies	Agile, Waterfall, Scrum
Code Version Control	Git, Bitbucket, codecommit, SourceTree.

Experience

Jan 2021 - Present

Client :AT&T– *Sr Software Developer*

- Developed UI Application using Angular Framework and libraries such as Angular Material, Flex Layout, Bootstrap and Angular Datatables.
- Developed Custom Interceptors, Pipes, Guards and Directives to aid in the Angular Application.
- Implemented Drag and Drop feature, Reactive Forms, Data Grids along with making sure the Application is responsive to Multiple Screen sizes.
- Responsible for the implementation of Web Design based on CSS3, HTML5, Ionic JavaScript, Figma, jQuery and Front-End Framework Angular.
- Implemented Okta-angular and okta-auth-js library to handle user authentication and used ng-idle to detect the user inactive state.
- Implemented custom Date picker and custom form validators to help with reactive forms.
- Worked on Modular Application design and lazy-loading the modules at the routing level. Used various libraries like NGX-charts, ng2-charts to visually represent the quantitative information in the form of charts, graphs, plots and so on.
- Involved in deploying the application using Jenkins CI/CD pipelines.
- Created Typescript reusable components and services to consume REST API's using Component based architecture provided by Angular 13.
- Built Angular Test Cases using Jasmine Test Framework and karma test runner.
- Used NPM as the package manager and NPM scripts as build tools for the

application.

- Worked on creating various Subjects and creating observables to share data between different components.
- Used Rxjs Operators (map, filter, take, takeuntil etc) to allow asynchronous event flow.
- Extensively used RXJS with Angular 6 to create Observables in implementing the various functionality and used NgRx to maintain the status of the application.
- Used Git, Bitbucket and Jenkins for the continuous integration and deployment.
- Understanding of using Cloud technologies, Used AWS for various features such as S3,
  DynamoDB, CloudWatch etc.
- Consumed RESTful services APIs as per the Swagger definition to implement POST, PUT, DELETE and GET methods using Jwt tokens to ensure authentication and authorization.
- Followed agile methodology and Involved in Full Life Cycle Development from Requirement Analysis through Design, Development, Integration, and testing phases.
- Assisted the deployment and support teams for production releases also worked on resolving various production defects.

Jan 2019 - Dec 2020

Client: PNC Bank– *Sr Software Developer*

- Designed and developed the dynamic web application using HTML5, CSS3, Figma,SCSS, ECMAScript (ES6), jQuery, Bootstrap, and Angular 10.
- Extensively used RxJS with Angular 8 to create observables in implementing the various functionality and used NgRx to maintain the status of the application.
- Extensively used Jasmine, Jest, Karma for unit and integration testing and Cypress for e2e testing.
- Worked on fixing the Sonar related issues.
- Utilized Asynchronous Ajax requests and jQuery calls inside the Web Application to load data using call-back functions.
- Design and implementation of application Components using Angular Architecture.
- Developed the application for the lab test providers for showing the wide range of tests available and their details.
- Consistently define and apply technologies, standards, and software engineering practices, working with a geographically distributed team of developers.

Dolphins POS, Hyderabad – *Software Developer*

- Gathering the requirements from the business and performing the requirement analysis.
- Developed the project using agile methodologies and Test-Driven Development.
- Prepared Low Level Design document and Detailed Design Document document.
- Responsible for setting up AngularJS framework for UI development.
- Developed GUI views with Ionic , CSS3, JSON and AngularJS.
- Developed the application as Single Page Application (SPA) using AngularJS 1.5 MVVM framework.
- Utilized AngularJS framework to bind AngularJS template (views) to JavaScript objects.
- Client-Side validations were done using JavaScript and AngularJS.
- I am involved with the Dolphin POS Retail system, a cloud-based point-of-sale mobile application designed for small-scale retail stores such as liquor stores, car washes, nail salons, shoe stores, and other retail establishments.
- Dolphin POS offers highly optimized and user-friendly point-of-sale solutions, including features for daily sales transactions, clock in and clock out functionality, inventory management, and comprehensive batch reporting.
- The application accurately captures various aspects of retail operations, such as orders, payments, voids, promo deals, and expenses, providing a real-time overview of the business's health.
- Implementing various sale features, including payment methods such as cash, card, split payments, and gift cards. - Developing inventory management features. Integrating third-party payment gateways like TSYS and CAYAN.
- Integrating third-party billing printers, such as MCPRINT and Star Micronics. Implementing a barcode scanner to scan items using native Cordova Plugins.
- Developing Stock In and Stock Out features. Implementing a rewards program and membership feature.
- Handling deployment using Xcode for the Test Flight environment. Managing the publication of apps to the App Store.

Prolifics Corporation, Hyderabad – *Sr Software Developer*

- Developed the web application in MVC Architecture using Angular, HTML, CSS, Bootstrap, Javascript & Jquery.
- Create user interaction models, workflows, information architecture, schematics, prototypes and interface guidelines.
- Implemented authentication and authorization of the application using Okta and OAuth.
- Interact with the Javascript functions to add dynamism to the web pages at the client side.

- Requirement gathering through direct client interaction and Analysis of the Usability Specifications provided by the clients.
- Implemented Single sign on, Session Timeout and refresh functionality.
- Experience in writing Javascript custom objects to handle the complex data.
- Implemented Xlsx library to provide the users an option to export the data in excel format.
- Used Ajax for making Backend Service calls and consuming various data structures with proper error handling mechanism.
- Worked on the modernization of a legacy and outsourced UI using jQuery.
- Worked on Jasmine for unit Testing and Protractor tests for end to end testing in UI.
- Designed and implemented Backend API's Using Node.js and Express framework.
- Developed the applications following Agile Scrum, participated in daily stand-ups,kickoffs.
- Ensuring Proper documentation and release notes for each component.
- Client-Side validations were done using JavaScript and AngularJS.

Sept 2009 - Dec 2014

Dhruv Consulting Services, Hyderabad – *Software Developer*

- Analyze existing applications and interact with all key stakeholders (business and technical) to understand UI requirements for modern applications.
- Design and implementation of application Components using Angular Architecture
- Worked on the project to migrate from AngularJS 1.7 and built project architecture.
- Consistently define and apply technologies, standards and software engineering practices, working with a geographically distributed team of developers.
- Developed the project using agile methodologies and Test-Driven Development.
- Prepared the LLD (Low Level Design) document and DDD (Detailed Design Document) document.
- Developed the application as Single Page Application (SPA) using AngularJS 1.x MVVM framework.
- Utilized Asynchronous Ajax requests and jQuery calls inside the Web Application to load data using call-back functions.

Education:

Sept 2005 - April 2009

Jawaharlal Nehru Technological University, Hyderabad – *Bachelor's in Computer Science*