Revanth Reddy Mandala

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Professional Summary

Bringing over 8 years of experience as a Full Stack Developer, specialized in web and mobile UI development with expertise in HTML5, JavaScript, and frameworks such as Angular, React, Redux, and Node.js. Proficient in Java programming and D3.js for dynamic GUIs, excelling in translating business requirements into successful web applications across all phases of the software development life cycle. With a strong track record of around 8 years in UI application design and development, adept at crafting resilient solutions tailored to diverse project needs, leveraging Single Page Applications (SPAs), Cloud Applications.

Skills extend to a comprehensive understanding of front*-*end technologies including CSS, JavaScript frameworks, and responsive web design principles. Well-versed in version control systems like GIT and CVS, and proficient in utilizing front-end workflow tools such as npm and Grunt.js to streamline development processes. Throughout the career, actively contributed to all stages of the Software Development Life Cycle (SDLC), leveraging methodologies such as Agile Scrum and waterfall to ensure project success. With a proven track record of collaborating effectively with cross-functional teams, committed to continuous learning and innovation, delivering cutting-edge solutions that exceed expectations and drive business growth.

EDUCATION

Master of Computer science, FAIRFIELD UNIVERSITY- Fairfield, Connecticut 2017-2019
Bachelor of Computer Science, KAKATIYA UNIVERSITY- Telangana, India 2011-2015

SKILLS

Technical Skills:

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| --- | --- | --- |
| * Angular framework
 | * RESTful APIs
 | * SQL
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| * Typescript
 |  | * API Gateway
 | * MySQL
 |
| * JavaScript
 |  | * JIRA
 | * Postgres SQL
 |
| * ReactJS
 |  | * AWS services (DynamoDB, Lambda, API Gateway)
 | * Apigee
 |
| * NodeJS
 |  | * GRUNT
 | * React Hooks
 |
| * AngularJS
 |  | * jQuery
 | * Git
 |
| * Bootstrap
 |  | * Jenkins
 | * Postman
 |
| * CSS
 |  | * Gitlab CI
 | * MongoDB
 |
| * HTML5
 |  | * Jasmine
 | * AJAX
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**Professional Experience:**

BNY Pershing, Jersey City, NJ Jul 2024 – Present

*UI Developer*

* Migrated the legacy application (Asset Movement) to Angular 16 by upgrading packages and dependencies.
* Enhanced and improved the UI by using Angular 16, Angular material and Bootstrap by utilizing media queries to make the application responsive.
* Designed and developed BNY’s internal funds transfer application using HTML, CSS, React, HOC, Flux/Redux for the development of Single Page Application.

* Created design prototypes, wireframes, storyboards and user flows to effectively communicate design ideas using Figma and AEM by considering the WCAG and accessibility compliances.
* Created res-usable components, custom modules, pipes, services and directives using Angular.
* Implemented plugins for Drag and Drop, widgets, Menus, User interface and forms.
* Designed and deployed **SOAP-based APIs** for legacy systems integration, ensuring secure, transactional communication over HTTP.
* Created Typescript reusable components and services to consume the REST API’s using component-based architecture.
* Developed microservices with **RESTful APIs** for synchronous communication and integrated with **message brokers** for **asynchronous messaging** between services.
* Utilized **ES6 features** such as **arrow functions**, **async/await**, and **destructuring** for cleaner, more efficient JavaScript code in building responsive UI components.
* Designed and implemented REST API interfaces using JavaScript and Node.js.
* Modernized legacy monoliths by embedding micro front-ends behind a façade layer, enabling zero-downtime updates and iterative upgrades.
* Delivered **mobile-first designs** leveraging **Bootstrap 4** and **CSS Grid** to ensure responsiveness across multiple devices and platforms.
* Implemented XML and Json parsing code for different applications.
* Developed **custom JSF components** and **composite components** using **Facelets** to extend JSF’s capabilities, providing tailored UI elements for the application.
* Implemented JSON and XML data bindings with Spring's MessageConverters for RESTful endpoints.
* Implemented Angular CLI for to generate components, routes, pipes and unit test cases.
* Worked with Ajax driven Json by consuming Java script functions to save user selections such as Radio buttons and dropdown menu selection into a cookie.
* Implemented JUnit 5 (Jupiter), including advanced features such as dynamic tests, parameterized tests, and nested tests to improve test coverage and maintainability.

Homesite INSURANCE, Boston, MA Jul 2023 – May 2024

*UI Developer*

* Designed and developed complex web-applications using Angular framework (16), ensuring optimal performance and scalability.
* Implemented RESTful APIs to facilitate seamless communication between front-end and back-end systems.
* Leveraged AWS services including DynamoDB, Lambda and API Gateway to build scalable and cost-effective solutions.
* Integrated Figma with other tools (e.g., Zeplin, JIRA) for efficient handoff to development teams, reducing design-to-development cycle time.
* Orchestrated shared state across micro front ends using Redux tool kit and RxJS ensuring consistent user experiences and seamless inter-app communication.
* Implemented Angular services for connectivity between web applications and back-end API’s using Typescript.
* Developed server-side web applications utilizing Node.js and contributed to the construction of user interfaces using JQuery, Ext JS, Bootstrap, and JavaScript.
* Built and consumed and consuming RESTful APIs using Spring MVC, leveraging @RestController, @Request Mapping, and @Path Variable annotations for clean and efficient API design.
* Worked with implementation of a serverless architecture using API gateway, lambda, DynamoDB and deployed AWS Lambda code from Amazon S3 bucket.
* Developed interactive AEM forms integrated with Adobe sign and backend API’s, digitizing 15+ paper processes.
* Developed **enterprise web applications** using **JavaServer Faces (JSF)**, leveraging its **component-based architecture**for building dynamic, interactive user interfaces.Worked with Test-Driven Development (TDD), writing unit tests before implementation to drive code quality, reduce bugs, and ensure feature correctness.
* Implemented authentication and authorization using Spring Security in Spring Boot applications, integrating with OAuth 2.0, JWT, LDAP, or SSO solutions for secure access control.
* Possess intermediate proficiency in Advanced JavaScript, encompassing prototype-based inheritance, AJAX, and JSON, with familiarity in JavaScript frameworks such as jQuery and AngularJS.
* Developed proof of concepts for deploying S3 bucket and DynamoDB stack using Cloud formation templates.
* Implemented **WS-Security** for securing SOAP web services, ensuring message-level security with encryption, digital signatures, and authentication (UsernameToken, SAML).
* Creating efficient design and developing user interaction screens using HTML, CSS, Bootstrap, JavaScript, Angular and NodeJS.
* Designed and implemented **microservices** architectures, decomposing monolithic applications into loosely coupled, independent services that improve scalability, maintainability, and fault tolerance.
* Deployed isolated micro front ends using Docker and Kubernetes, improving scalability and fault tolerance in cloud environments.
* (AWS/GCP).
* Automated deployments with **Docker**, **Kubernetes**, and **Helm**, enabling seamless, scalable, and repeatable deployments of microservices in cloud-native environments.
* Implemented AWS cloud watch to monitor the logs and create alarms to monitor metrics such as EBS, EC2 and configured notifications for the alarms generated based on events defined.

Nationwide Insurance, California. Sep 2021 – Apr 2023

*UI Developer*

* Developed HML5, CSS3, Bootstrap, JavaScript, and Angular and Ionic for website UI adhering to accessibility and browser standards.
* Implemented Angular 12/16 frameworks, MVC architectures and custom directives for single-page applications.
* Collaborated closely with clients to collect and refine project requirements, ensuring they were aligned with their specific needs and objectives.
* Demonstrated proficiency in enhancing microservice performance by employing task managers and webpack with the serverless framework.
* Implemented caching solutions using Spring's @Cacheable annotations and integration with caching providers like Ehcache or Redis for improved application performance.
* Integrated external SOAP-based services into **Spring Boot** applications using **JAX-WS**, **Apache CXF**, and **Spring Web Services**, ensuring reliable communication with third-party systems.
* Collaborated with cross-functional teams to design responsive and intuitive user interfaces using Figma’s design system and components.
* Utilized various AWS services for web application deployment and scaling.
* Expertise in using Mockito for creating mock objects, stubbing method calls, and verifying interactions between components during unit testing.
* Integrated Angular services for backend API connectivity using Typescript.
* Integrated relational databases like MySQL and Postgres SQL with web applications, back-end systems, and third-party APIs to support data driven functionality.
* Configured AWS Multi factor authentication in IAM to implement 2 step authentication of user’s access using Google Authenticator and AWS virtual MFA.
* Ensured WCAG 2.1 AA compliance for AEM components, reducing legal risks and improving UX for 1M+ users.
* Worked with Jenkins for continuous deployment and implement build automation.
* Configured and monitored application logs with Splunk and AWS CloudWatch.
* Implemented **OAuth 2.0** and **JWT (JSON Web Token)** for secure, token-based authentication and authorization between microservices.

IQVIA, Pennsylvania May 2021 – Aug 2021

*UI Developer*

* Built web user interfaces using Material UI, Angular.
* Designed and tested API’s using Swagger UI and created models, filters and services using Angular to create the application.
* Worked with Adobe mobile analytics services to add analytics in Ionic code, created plugins with some methods to call the event in the application.
* Demonstrated adeptness in building robust Graphical User Interface applications employing JavaScript, AngularJS, and MongoDB within the MEAN stack framework.
* Designed and maintained scalable design systems in Figma, streamlining design processes and ensuring consistency across multiple product features.
* Hands-on experience in front-end development utilizing JavaScript frameworks like AngularJS and jQuery, alongside front-end technologies including HTML5, CSS, and Ajax, contributing to the creation of web applications such as message posting and autocomplete forms with secure validations.
* Designed and developed interactive user interfaces (UI) for web pages utilizing HTML, CSS, JavaScript, jQuery, and AJAX.
* Configured **JSF navigation rules** in faces-config.xml and managed complex page flows and transitions between views.
* Implemented Webpack Module Federation for building scalable micro front-end architectures, enabling independent deployment and composition of modules.
* Authored various PHP scripts for headers, footers, and multiple contact pages.
* Creating efficient design and developing user interaction screens using HTML, CSS, Bootstrap, JavaScript, Angular and NodeJS.
* Leveraged AWS CloudWatch and GCP’s CDN for application monitoring and content delivery.
* Developed stored procedures, triggers, functions to automate tasks and enforce business rules within the database.
* Implemented Jenkins for build process to generate continuous integration.
* Developed a single-page application with Angular 10 using different modules, templates, custom directives, and custom filters.
* Created Typescript reusable components and services to consume the REST API’s using component-based architecture.

Sentaca Inc., Boston, MA Nov 2020 – May 2021

*UI Developer*

* Designed responsive web interfaces using HTML5, CSS, JavaScript, and React JS.
* Replaced all React class components with functional components.
* For state management, replaced with new Hooks like use State, use Effect, use Reducer, and use Ref etc.
* Developed unit and integration tests for SOAP web services using **JUnit**, **Mockito**, and **SOAP UI**, ensuring that services meet functional and non-functional requirements.
* Utilized various tools for API management like Apigee, Splunk and AWS CloudWatch and monitoring the logs for different applications in their respective environments.
* Automated AEM deployments using Jenkins and Docker reducing manual errors and deployment time.
* Configured AWS services like S3, CloudFormation, API Gateway, Dynamo DB etc.
* Developed web API using Node.JS and hosted on multiple load balanced API instances.
* Leveraged AWS Web services through AWS console and API integration by performing all necessary day-day subversion/Git support for different projects.
* Implemented MockMvc for integration testing in Spring applications, allowing for testing of HTTP requests, responses, and status codes in Spring MVC applications.
* Integrated Spring Data JPA with Spring Boot to handle data persistence, simplifying database interactions and CRUD operations using Repositories.
* Implemented React in development of the web application to bind the data/model that is being retrieved from a database through services provided in a controller to the view using scope.

Optimity Advisors. Washington D.C Apr 2020 – Oct 2020

*UI Developer*

* Developed responsive single-page applications using Angular 6, HTML, CSS, and Bootstrap.
* Leveraged Angular Universal for improved server-side rendering and IVY compiler for enhanced performance.
* Worked in database schema design, normalization, and optimization to ensure data integrity and efficiency.
* Designed and implemented REST API’s using RESTful web services.
* Upgraded the application from having Angular 6 to using Angular 9.
* Tested Spring MVC controllers and services using JUnit, Mockito, and Spring Test framework for mocking dependencies and ensuring reliable code.
* Experience in deploying Spring Boot applications on cloud platforms like AWS, Azure, with integration to cloud-native services such as S3 and RDS.
* Implemented **event listeners** and **action listeners** in JSF to handle user interactions and trigger backend operations like **form submissions**, **button clicks**, and **value changes**.
* Collaborated with cross-functional teams to ensure accessibility features and routing.
* Conducted system designs and recommended cost-effective cloud solutions such as AWS.
* Implemented Angular services for connectivity between web applications and back-end API’s using Typescript.
* Worked on Routes in Angular creating the base route and extensions by using Router Config as an injectable URL path and customized component for each of the web page in Angular.

RWJ – Barnabas, NJ Sep 2019 – Feb 2020

*UI Developer*

* Designed responsive UI enhancements using Kendo MVC and media queries.
* Developed front-end web pages using jQuery, HTML5, CSS ensuring cross-browser compatibility.
* Implemented token-bases authentication for improved security of API’s.
* Implemented TFS, Git as source control.
* Implemented Postman for analyzing API responses.
* Developed Restful web services and integrated them into the application architecture.
* Designed and Implemented Rest API’s because it can handle multiple types of calls, returns different data formats like xml, Json.
* Implemented various indexing strategies to improve query performance and optimize database operations.

MTA - Nyc, NY Oct 2018 – Aug 2019

*UI Developer*

* Developed web, responsive and single-page applications using React, HTML, CSS, Bootstrap and Typescript.
* Utilized React JS for virtual DOM rendering and Redux for state management.
* Implemented React container and presentational components as Stateless and Functional components when applicable.
* Created and iterated on design solutions based on user feedback and A/B testing insights, using Figma’s real-time collaboration and version control.
* Extensively worked with Servlets and Struts based multi-tier applications in developing J2EE Components.
* Implemented real time location sharing on cross-browser applications using Node.js and ReactJS.
* Created proof of concepts for Angular 2/4 applications and implemented RESTful web services.
* Implemented token-bases authentication for improved security of API’s.

Synergy Universal), Hyderabad, India Aug 2015 – Nov 2016

*UI Developer*

* Participated in development of a well responsive Single Page Application (SPA) by using Angular 2, JavaScript, jQuery, HTML5, CSS3 and LESS.
* Involved in building interactive portable widgets for internal users using HTML5, CSS3, and JavaScript, jQuery, Angular 2 and the latest AJAX libraries.
* Designed Frontend within object-oriented JavaScript framework like backbone JS and Node.js.
* Implemented building rich Internet application, backbone JS to optimize in-browser use and to load the module and to improve the Speed.
* Involved in use of Angular 2 technologies to include, LESS and additional technologies to ensure current migration from Angular1.6 to Angular 2.
* Widely Implemented Angular 2, UI Bootstrap components like calendar picker, time picker, directives, select2, model pop-ups, ng-grid, router Provider’s, progress bar, ng-Idle, ng-Upload.
* Implemented various jQuery plugins like auto complete, date picker, color picker, document slider to enhance the usability.
* Implemented $http Provider with Angular JS interceptors to make sure the requests are authenticated.
* Implemented MongoDB for database persistence to retrieve data for exposing the data to Node.js server.
* Prepare Test Cases using TDD (test-driven development) and BDD (behavior driven development) approach on multiple platforms like Linux, Mac, and Windows.