# Sanjay K



**Email:** [**sanjaykumarreddy1307@gmail.com**](mailto:sanjaykumarreddy1307@gmail.com) **PH: 913-361-8592 Sr. Full Stack Developer LinkedIn: linkedin.com/in/sanjay-reddy-k-547266283 Professional Summary**

* Over 8+ years’ experience in Back-end and Front-end development with an ability to handle any part of the process

efficiently. To succeed in an environment of growth and excellence and let me work on the leading areas of technology, a job that gives me opportunities to learn, innovate and enhance my skills and strengths in conjunction with organization goals and objectives.

* Experience working with different SDLC (Software Development Life Cycle) including Requirement gathering, Analysis, Design, Coding, Testing and Implementation like AGILE (SCRUM), TDD, and Waterfall Models.
* Experience in implementing and deploying Java EE design patterns such as Singleton, Abstract Factory, DAO, DTO, and Business Delegate in the Development of Multi-Tier distributed Enterprise Applications.
* Expertise in developing SOA (Service Oriented Architectures) and Microservice architectures using J2EE web services based on Restful (JAX-RS), SOAP(JAX\_WS), JAX-RPC, and JAXR(Java API for XML Registries) using frameworks like Apache CXF, Jersey, Apache Axis.
* Worked extensively with JAVA 8 features like Time API, Functional Interfaces, CompletableFuture, Optionals, Multithreading, Transaction Management, Exception Handling, Collection API, Streams API, Lambda functions, Functional programming, and Generics.
* Unit tested performed unit testing web services using Junit, Mockito Easy mock, Spring Junit Runner, Spock, Testing, and achieved Test-Driven Development (TDD) goals.
* Widely used various open-source MVC architecture like Struts 2.0, Spring MVC, and Object Relational Mapping (ORM) Frameworks like Spring JPA with Spring Data, Hibernate, IBatis MyBatis, and Spring JDBC.
* Extensive web development expertise encompassing a wide array of technologies, including HTML5, XML, XHTML, DHTML, CSS (including Sass and Less), Bootstrap, JavaScript (including DOM, jQuery, Ajax), JSON, JSP, React JS, Next JS, Redux, TypeScript, XML, XSL, XSLT, and proficient in DTD, XML Schema, SAX, DOM parsers for file processing and validation.
* Worked on variety of Frontend JavaScript frameworks like AngularJS, BackboneJS, ReactJS, NextJS, JQuery, JQuery IJI and good knowledge in EmberJS.
* Strong experience with EJB, Struts, Spring Boot, Spring framework implementing modules: Spring MVC, Spring IOC, Spring IO, Spring AOP, Spring Security, and Spring Data.
* Good understanding of Server-side JavaScript structures like NodeJS, Hapi.JS, Express.JS.
* Experienced in server-side view rendering Java content structures like React.JS and rendering pages on the server- side utilizing Redux and Flux to accomplish unidirectional plan stream.
* Good Knowledge in Amazon Web Services (Amazon EC2, Amazon S3, Amazon Simple DB, Amazon Elastic Load Balancing, Amazon SQS, Amazon EBS, and Amazon CloudFront), VPC (NAT, VPC Peering and VPN), IAM (Identity and Access Management), Elastic Beanstalk, Lambda, S3, CloudFront, Glacier, SQS, SNS, RDS, DynamoDB, Route53, CloudWatch, CloudTrail, CloudFormation, Security Groups, etc.
* Sound learning on the consistent mix and persistent deployment tools like Jenkins, Hudson, Travis, Puppet, and Bamboo. Substantial involvement in UNIX and Shell scripting to automate the build scripts.
* Handled operations and maintenance support for AWS cloud resources, including launching, maintaining and troubleshooting EC2 instances, S3 buckets, Auto Scaling, DynamoDB, AWS IAM, and Elastic Load Balancers (ELB) and Relational Database Services (RDS). Also created snapshots for data to store in AWS S3.
* Experience writing SQL queries in PL/SQL, Triggers, and Stored Procedures in Relational Database management systems like Oracle, MySQL, and DB2 and MongoDB.
* Used Kubernetes Linux container for deploying and scaling containerized applications.
* Designed and developed highly scalable, available, fault-tolerant, highly secured, distributed infrastructure (IAAS) using 2 EC2 instances, S3, EBS, API Gateway, Restful API, Elastic Beanstalk, ECS. Experience in configuration

management tools like Puppet, Chef, Docker and used AWS SDK for connection to Amazon S3 buckets as it is used as the object storage service to store and retrieve the media files related to the application.



* Solid experience developing the rendering view React JS components, forms, events, routers, and Redux asynchronous functions and implemented React - Flux pattern for core dependency.
* Quick learner, Excellent interpersonal and communication skills, Self-driven, Good at understanding and analyzing problems and a good team player.

TECHNICAL SKILLS

* Core Languages: Java, JavaScript
* Java Technologies: JSP, JSF, JavaBeans, JDBC, Servlets, Hibernate, Spring Batch, Spring Cloud, Spring Boot, Spring MVC
* Web Technologies: HTML5, CSS, JavaScript, XML, jQuery UI, Ajax, Angular, Node.js, Bootstrap, ReactJS, JSON, AngularJS.
* Web Services: SOAP, Restful
* Databases: Oracle DB, MySQL, PostgreSQL, MongoDB,
* Web Servers: IBM WebSphere, WebLogic, Tomcat, JBoss
* Server Scripting: JSP, JSTL, Custom Tag Library, AJAX
* Testing Tools: Mockito, Junit, Karma, Jasmine, Selenium
* Build & Containerization Tools: Maven, Docker, Kubernetes, Jenkins, Ant.
* Cloud Environments: AWS, Netflix Eureka, Azure
* Version Control: Git, Bitbucket.

# Professional Experience Sr. Full Stack Developer

**Expedia Group, TX SEP 2022 to Present**

# Responsibilities:

* Developed the single-page application following Agile Scrum, participated in daily standups, sprint reviews, Kickoffs, and used Jira for project management.
* Involved in Software Development Life Cycle for gathering requirements, Analyzing, Designing, Developing, and Testing applications using Agile methodology.
* The application is built in Micro Service Oriented Architecture using MEAN 4+ (Mongo, Express Angular 11.0 and Node) stack and developed Single Page Applications (SPA).
* Developed multiple Angular 11.0 components that are compatible with the latest versions of typescript, angular CLI.
* Used Angular with TypeScript to create responsive and interactive user interfaces**,** ensuring an optimal user experience on all devices.
* Created dynamic schema design through NoSQL MongoDB by writing rich queries and achieved data in a collection to be distributed across multiple systems for horizontal scalability as data volumes increase through Sharing.
* Decent experience in JDBC, Servlets, Java Beans and JMS focusing on backend functioning.
* Used MongoDB as a storage solution for unstructured and semi-structured data generated by various sources.
* Implemented Java11 features like Lambda expressions, Streams, filters, pipelines, Optional Interfaces, etc.
* Worked with KAFKA Zookeeper for managing the cluster with broker/cluster technology.
* Designed the user interface screen and its functionality as per user requirements and developed RESTful Web services in Mule ESB based on Service Oriented Architecture (SOA).
* Used different transformers, exception handling, testing & Security of Mulesoft ESB endpoint through OAuth.
* Designed and developed efficient user Interaction screens using HTML5, CSS3-SASS, and Twitter Bootstrap CSS framework and media queries to create responsive web pages.



* Used React JS, ES6, Next JS and Redux for making Restful API calls and data binding.
* Involved in developing Ul using Spring MVC framework, JSP, JSTL, HTML5, CSS, Javascript, JQuery, AJAX, ReactJS and Redux.
* Worked on variety of Frontend JavaScript frameworks like AngularJS, BackboneJS, ReactJS, NextJS, JQuery, JQuery IJI and good knowledge in EmberJS.
* Created Reusable Modules and Custom Directives inAngular2.0which got used in various laces of application.
* Implemented ReactJS Controllers to maintain each view data. Implemented react Service calls using react Factory tested all
* application controllers extensively with ReactJS built-in testing facilities.
* Configured JBOSS Application server and used Oracle database with Hibernate ORM framework and used the functionalities of Hibernate's second-level EHCache.
* Implemented Microservices architecture with Netflix, Spring Eureka, Spring Ribbon using Spring Boot to provide client-side load balancing in calls to other Microservices, making applications into smaller chunks and the Spring Hystrix circuit breaker and for the fail-safe.
* Developed and constructed Java based applications using the Inversion of Control (IoC) container from the Spring Framework.
* Wrote Drool rules in both rule flow and drooled fusion for fetching the facts from the database.
* Kubernetes is configured in the application for automating deployment, scaling, and management of containerized applications.
* Implemented Postgres databases for data storage and management in java, ensuring secure and efficient handling of customer data.
* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups, Optimized volumes, and EC2 instances and created monitors, alarms, and notifications for EC2 hosts using Cloud Watch.
* Configured and managed various AWS Services, including EC2, RDS, VPC, S3, Glacier, CloudWatch, CloudFront, Route53, SQS, SNS, etc.
* Implemented a 'server less' architecture using API Gateway, Lambda and deployed AWS Lambda code from Amazon S3 buckets. Created a Lambda Deployment function and configured it to receive events from your S3 bucket.
* Hands-on experience on Dump Analysis and thread Dump common problem patterns (Thread race, deadlock, hanging IO calls, garbage collection / Out of Memory Error problems, infinite looping, etc.).
* Implemented Spring Netflix Zuul API gateway and Eureka service registry for reverse proxy and Dynamic service discovery of APIs.
* Used JPA (Java Persistence API) frameworks and APIs as JDO and Hibernate.
* Performed manual and regression testing using JIRA X-RAY tests, writing the scenarios.
* Used Tomcat web server and IBM web sphere for deploying applications.
* Responsible for migrating existing modules in IBM MQ to Apache Kafka and creating Kafka adaptors for decoupling the application dependency.
* Worked with Jenkins to configure Continuous Integration and Continuous Deployment (CI/CD).
* Implemented Spring Circuit breaker pattern, integrated Hystrix dashboard to monitor Spring microservices.
* Designed the project with Spring MVC framework Dispatcher Servlets, Controllers, and View Resolvers, employing spring ideas like Dependency Injection and AOP (Aspect Oriented Programming) for business logic.
* Participated in code review and mentoring sessions and used GIT as version control and GIT Bash for GIT interactions.
* I aided specific teams in establishing their Git repositories, overseeing their code management, and configuring their processes to leverage the continuous integration and continuous deployment (CI/CD) environment.
* Experience in building isomorphic applications using React.js and Redux with GraphQL on the server-side.
* Experience in working with GraphQL queries and use the Apollo GraphQL library.



* Experience working with (consuming) REST or GraphQL APIs via client-side JavaScript or server-side via NodeJS.
* Authenticating Users to provide security to RestFul web services using OAUTH 2.0.
* Worked on UI testing with Karma, Jasmine, Protractor for Angular, Mocha, and Chai for React JS and Backbone JS.

**Environment**: Agile, java 11, Angular 11.0, Git, Spring Boot, MongoDB, Hibernate, HTML5, Core Java, Rest, Web Services, CSS3-SASS, WSDL, JIRA, JMS, Oracle DB, Kubernetes, PostgreSQL, AWS, Spring Cloud, Spring batch, PCF, Apache JMeter, JPA, Spring MVC, API Gateway, Tomcat web server, IBM web sphere, Cloud watch, jQuery, JUnit, Drool, Docker, Maven, Jenkins, Kafka, OAUTH 2.0, Chai, Mocha, CI/CD.

# Sr. Full Stack Developer

**GDIT Rensselaer, NY OCT 2019 to SEP 2022**

# Responsibilities:

* Used HTML5, CSS, jQuery, Ajax and performed client-side validations using JavaScript.
* Implemented web interface (UI) for end-users using Angular 6, which has migrated from the existing BackBone JS application.
* Designed the user interface screen and its functionality as per user requirements and developed RESTful Web services in Mule ESB based on Service Oriented Architecture (SOA).
* Good in designing web-based applications using XML.
* Hands-on experience on JSON and used it for data transferring.
* Worked on Spring Framework handling major concepts like Dependency Injections, Spring IoC Containers, Transaction Management Declaratives (annotations based).
* Deployed the drools rules as a service in the J2EE stack environment.
* Wrote SQL Queries, PL/SQL stored procedures, triggers, packages on Oracle database.
* Configured Hibernate's second-level cache using EH cache to reduce the number of hits to the configuration table data.
* Implemented security functionality for various projects using Site minder (SSO).
* Hibernate ORM framework is used to interact with databases through Hibernate query language (HQL). And also worked with the Hibernate EH Cache technique for the critical objects in the application.
* Developed application on Spring framework by utilizing its features like Spring Dependency injection, Spring Beans, Spring Security, Spring JPA, Spring Web flow using MVC
* Developed an automated application using JMS for messaging and JNDI to interact with the server.
* Configured and managed public/private cloud infrastructure utilizing Amazon Web Services like Amazon Ec2, Amazon S3.
* Configured Jenkins to handle application deployment in the Pivotal Cloud Foundry (PCF) server and integrate with GitHub version control.
* Effectively used Angular Directives, filters, declarative templates, service providers, and context-aware communication.
* Developed a set of application functionality using CRUD (Create, read, update, delete) features of Backbone.js.
* Performed Angular 6 end-to-end testing using the Protractor framework.
* Used backbone.js as Model, Widgets as Controller, and jQuery template as view.
* Used Kafka Streams API to analyze and aggregate streaming data, resulting in increased data insights and analytics.
* Implemented ODBC, which is used for connecting to the Oracle database.
* Used Spring framework with Hibernate to create Oracle database mappings using Hibernate Annotations to ensure seamless integration.
* Extensive experience in microservices development using Spring Boot, Netflix OSS (Zuul, Eureka, Ribbon, Hystrix) and domain-oriented design.



* Used GIT to push the code and share with my team in the company.
* Used Maven build tool to deploy the application on web servers, i.e., JBoss.
* Unit, functional, end-to-end testing is achieved using the Testing framework.
* Integration testing methods and Behavioral driven testing in the application are implemented using Selenium.

**Environment**: Angular 6, HTML5, CSS3, AJAX, jQuery, Bootstrap, JSON, XML, SOA, JMS, Hibernate, Spring boot, Kafka, Netflix Eureka, CRUD, Restful services, Oracle DB, Jenkins, Git, Grunt, Jenkins, Drools, Maven, HQL, Spring MVC, UI, Selenium, SQL.

# Java/J2EE Developer

**SunTrust Bank, Atlanta, GA OCT 2017 to OCT 2019**

# Responsibilities:

* Designed the user interface screen and its functionality as per user requirements and developed RESTful Web services in Mule ESB based on Service Oriented Architecture (SOA).
* Effectively worked on Angular JS to use the enhanced features of typescript, Angular Routers, and Angular Components.
* Worked on Agile methodology, including team-based design and code reviews.
* Worked with Ember JS to code some new functionality and developed application front end using HTML, CSS, Ajax.
* Spring AOP is used for logging, auditing, and security and transaction management to distinguish business logic from the cross-cutting concerns.
* Effectively used Angular Directives, filters, declarative templates, service providers, and context-aware communication.
* Implemented the back-end functionality of the modules using Singleton and Session Facade design patterns.
* Implemented Spring Batch to run daily and monthly batches.
* Extensively used Java server Faces (JSF) Navigation rules and JSF tags for enhanced user Interface.
* Involved in multi-tiered J2EE design utilizing Spring Inversion of Control (IOC) architecture and Spring JPA.
* Designing new components to fit in the already existing architecture using core Java, multithreading, design patterns like the factory method, Abstract factory pattern, Singleton, while developing web-based applications using REST Web Services.
* Used MySQL database to save and retrieve data about user subscription and payment information.
* Involved in the Development of SOAP Web Services using Apache Axis to extract client-related data from databases.
* Developed the business logic code in Core Java/J2EE, Struts, JDBC.
* Deployed the application using Docker and AWS Console services.
* Hibernate ORM framework is used to interact with databases through Hibernate query language (HQL).
* Implemented Spring MVC’s support for universality to offer multi-language assistance for the application serving to a worldwide user base.
* Designed and developed an event-driven microservices communication mechanism using Spring Cloud Stream to improve real-time data flow across services.
* Used SOA, UDDI lookups, and Web Services Description Language (WSDL) using the SOAP protocol.
* Deployed the application to IBM WebSphere 8.5.5 in UNIX environment IBM AIX 5.1.0.3. Tested the application after making the necessary configuration.
* Involved in performing Unit and Integration Testing in Selenium

**Environment**: Angular JS, HTML, CSS, AJAX, Agile, Ember JS, Spring AOP, Spring Batch, XML, HQL, JSF, Hibernate ORM, SOAP, Selenium, MySQL, Docker, JDBC.

# Java Developer



**Web Synergies, India JUNE 2014 to JUNE 2016**

# Responsibilities

* Implemented responsive web-based applications using HTML5, CSS3, JavaScript, jQuery.
* Developed SCM by using the JSP/HTML for each user interface. Servlets standard validations are used as the controllers for business logic and using JDBC, XML parsing techniques using MVC.
* Experience in installing, configuring, and deploying applications on Web Logic Server.
* Developed a DAO pattern to retrieve the data from the database.
* Designed a mailing application to send notifications to the Oracle users for intimating to start the following workflow.
* Used Multithreading concept to post data from files to tables involving the transformation of files from one format to another.
* Configured Struts-config.xml, Tiles-def.xml, and various properties files provided by Struts Framework for the implementation module.
* Extensively used the Struts tag libraries (Bean Tags, Logic Tags, HTML Tags, etc.) and Custom tag libraries.
* Developed web applications using Struts, Spring, and iBatis framework.
* We kept up the bean life cycle by utilizing Spring IOC, which keeps session information about beans.
* Worked with Log4J to capture the log that includes runtime exceptions.
* Deployed application on the Client Linux server.
* Implemented IBM WebSphere Application Server to deploy the application.
* Used ANT build tool for compiling and generating war files.

**Environment**: HTML5, CSS3, JavaScript, jQuery, JSP, JDBC, MVC, Struts, Spring, IBM, ANT, Log4J, DAO.