**Anil Kumar Takkellapati**

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**Professional Summary**

* Having **10+ years** of Experience in design, development, maintenance, and support of **Java/J2EE, Angular and React** applications.
* Working knowledge in multi-tiered distributed environment, **OOAD concepts**, good understanding of **Software Development Lifecycle (SDLC**) and **Service Oriented Architecture.**
* Designed and implemented automated workflows **using BPM software, resulting in reduced manual intervention, improved accuracy, and enhanced productivity**.
* Experience in developing **single page applications (SPA)** using **React/Redux.**
* Used **Object Oriented Programming concepts** to develop UI components that could be reused across the Web Application.
* Experience using **Microservices** to build flexible, independently deployable software systems.
* Experience in Microservices Architecture with **Spring Boot and Docker.**
* Experience in **Murex platform, specializing in Murex Markup Language (MXML)** customization and development.
* Experience in working with specific enterprise **CMS platforms such as Sitecore, SharePoint, Oracle WebCenter Sites.**
* Experienced in business/technical requirements capturing, configuration management, team coordination and software engineering processes.
* Experienced in web development **using HTML, DHTML, XHTML, CSS, JavaScript, Node JS, Bootstrap, Angular JS, jQuery, and AJAX technologies.**
* Experienced with hands on development in various **Spring components like Spring MVC, AOP, Spring IOC, Spring JDBC, Spring JPA, Spring Securities and Spring Batch, Spring Boot, Spring Microservices, and swagger APIs.**
* Hands on experience on **MVC frameworks such as Angular JS, Angular8, Backbone JS, Ember JS, ReactJS etc.**
* Experience in using **JSP and servlets** to create web interfaces and integrating **Apache tools like Kafka.**
* Experienced in developing **Microservices with Spring Boot, Spring REST, Spring Cloud, Eureka, API-Gateway.**
* Expertise in **Object-relational mapping using Hibernate**.
* Experience in using **SOAP and RESTful web services**.
* Expertise in developing database application **using Oracle, DB2, MySQL, SQL Server.**
* Strong Database (RDBMS) development experience in writing queries, functions, stored procedures, triggers, and views in **Oracle, SQL, PL/SQL**.
* Command in React JS for creating interactive UI's using Virtual **DOM, JSX, React Native concepts.**
* Experience in installing, configuring, tuning **Apache Tomcat 5.x/6.x, JBOSS 5.x/4. x.**
* Experience in using version control and configuration management tools like **SVN, GIT**.
* Experience in working in environments using **Agile (SCRUM), RUP and Test-Driven development (TDD) methodologies.**
* Experience in using **ANT and Maven** for build automation.
* Have good **problem-solving skills** and the ability to work collaboratively with other departments **to resolve complex issues with innovative solutions**.
* Monitoring the **offshore work** and **providing technical help to the offshore team for their JIRA tickets.**

**TECHNICAL SKILLS:**

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| --- | --- |
| **Programming and Scripting** | Java, HTML5, CSS3, JavaScript, Angular, React, DHTML, SQL, PL/SQL, XML, jQuery, Bootstrap, AJAX, JSON, JSF, JSON-parsing, JSON-DTD, Schema Modelling, JPA, AWS, AWS Lambda. |
| **J2EE Technologies** | RMI, JNDI, Connection Pooling, Active MQ, IBM MQ ESB |
| **Framework and Tools** | Struts1.3/2.0, Spring2.5/3.0/4.x, Stripes, Hibernate3.0/4.3/5.0, Toad for Oracle, Putty, Single Sign On, JUnit, SQL Developer, Apache Kafka streaming, Activeeon, Confluent Kafka, WinSCP, Spring MVC, Spring Core, Spring Context, Spring AOP, Spring DAO, Spring Boot. |
| **Application/Web servers** | WebLogic 8.1/9.1/10.3, Web Sphere 7.0/8.0, JBoss 4.0/5.0, Apache Tomcat 6.0/7.0/8.0, Jetty Server, Jax-ws (SOAP), RPC, REST API’s. |
| **IDE Tools** | Eclipse, My Eclipse, NetBeans, Red Hat Developer Studio, Toad |
| **Build and Log Tools** | Build (ANT, MAVEN, Gradle), Logging(log4j), Jenkins |
| **Databases** | SQL Server 2005, 2008, Oracle 9i/10g/11g/12g, MySQL 4.1/5.0, NoSQL. |
| **Messaging, Design, and Version Control** | Java Messaging Service, UML, CM Synergy, Rational Clear Case, CVS, VSS, SVN, Git. |
| **Database Tools** | Toad, SQL Developer, DB Visualizer, MongoDB, Cassandra |
| **Operating Systems** | Windows, UNIX, LINUX |
| **XML Technologies** | XML, XSL, XSLT, SAX, DOM, AXIS, Castor, XML Beans and JAXB. |

**PROFESSIONAL EXPERIENCE:**

**Apple – Dallas, TX June 2022- Present**

**Java Full Stack Developer**

**Project Description:** Developed a user interface and user experience for a stock chart and an investment calculator with the goal of educating clients about investing in the stock market.

**Responsibilities:**

* Used **Agile software development methodology** which helps to develop project plans.
* Developing **single page applications** using **Angular 11, Typescript, HTML5, CSS3, and Bootstrap4.**
* Designed and developing **asynchronous RESTful Microservices using Spring boot, Couchbase and RX Java** that are consumed by other microservices with an average response time of 30 milliseconds.
* Involved in developing of test environment on **Docker containers and configuring the Docker containers using Kubernetes.**
* Converting existing **AWS infrastructure to server less architecture (AWS Lambda) deployed in AWS Cloud Formation.**
* Implementing the project structure based on **Spring MVC pattern using Spring Boot.**
* Expertise creating validating upstream **Push Rest API’s and sending data to upstream application.**
* Used **Angular 11 Reactive forms** to implement complex forms and performed the validations using Form Builder.
* Implementing **Async Rest API’s call** while consuming from upstream application.
* Developing Microservices components using **Docker, Apache Camel and ActiveMQ.**
* Implementing **REST API** using **Node.js**.
* Used **Servlets and JSP's** in developing the web application on **Apache Tomcat 7**.
* Implementing **Spring Security to secure** the application for the **DTCC service users**.
* Creating **Spring Scheduled Tasks** for updated the daily transactions.
* Developing and **performed test cases using jasmine and Karma** in the unit test.
* Used **OAuth for Rest API’s** authentication from UI.
* Use **Splunk for logging and investing server-side issues.**
* Deploy application on **JBOSS Server through Jenkins CI/CD pipeline.**
* Implementing **Swagger** in the application for generating API Documentation.
* Using **JIRA to keep track of bugs to reduce downtime, increase productivity and communication.**
* Using **Splunk, Postman** for testing API’s.

**Environment**: Java1.8, Spring MVC, Angular11, Node.js, Boot, Microservices, HTML5, CSS3, Bootstrap, RESTful web services, Swagger, Web pack, Docker, Kubernetes, Splunk, JIRA.

**Mastercard- O’Fallon, Missouri Feb 2021 - May 2022**

**Java Full Stack Developer**

**Project Description:** Developedon Account creation, autopay enrolment, account cancellation, payment options, Payment reminders and fraud detection.

**Responsibilities:**

* Developed a service layer and data layer to provide data to GUI.
* Developed new **APIs** for downstream applications to provide data related to the use case changes. Providing the reports through database queries for data analysis.
* Developed stream processing applications using frameworks such as **Apache Kafka Streams.**
* Experienced in designing, developing, and deploying real-time streaming applications using **Apache Kafka and its ecosystem, including Kafka Streams, Kafka Connect, and Kafka Connectors.**
* Developed the **Unit Test cases** for each test case scenario. Updated the **Unit Test** results in Unit Test plan.
* Perform basic integration and smoke testing in dev environment before deploying the application to SIT environment.
* Developed **Jenkins job** for any new **application build** and **deployment**.
* Interact with the **Quality Assurance (QA)** team to define test plans and test data; identify reproduce and document defects; fix and verify defects.
* Provided support while deploying the changes **from DEV, SIT, UAT and to Prod/ Live.**
* Done the design, development and testing phases of Software Development using **AGILE** methodology and **Test-Driven Development (TDD).**
* Created **SQL quires to fetch the data from tables/Views**.
* Created **AWS KMS** (cloud-based) key management service that enables to manage encryption keys in the cloud.
* Communicated **with BA and Project Manager on Functional requirements to validate BRD and system design and development.**
* Experienced in working with specific enterprise **CMS platforms such as Sitecore, SharePoint, Oracle WebCenter Sites.**
* Very good experience in working with BEA WebLogic using both console and command line.
* **Spring Core Annotations** for Dependency Injection and **Spring MVC for Rest API.**
* Developed **Micro Service to provide RESTful API utilizing Spring Boot with Spring MVC**.
* Attending the **daily stand-ups as part of Agile and communicating assigned user** story updates and discussing any issues with the team upfront.
* **Provide support during Production Deployment.** Resolving the bug fixes during the release or QA phase.

**Environment:** Spring, Spring Boot, XML, NPM, SASS, DB2, LINUX, GIT, MAVEN, JIRA, SonarQube, Web services, Agile methodology, Tomcat, Service now, Multithreading, Restful, Jenkins.

**American Express -- Phoenix, AZ July 2019 - Jan 2021**

**Java Developer**

**Project Description:** The Risk Fulfilment Platform (RFP) serves to update downstream system of records (SORs) when a decision is made, and a request is received from an upstream platform. An upstream platform could be the Amex Website, Mobile App, call center or a nightly batch process. RFP fulfils these requests by calling various downstream processes. No decisions are made by RFP; the data is set up or updated in the SORs, where a response is sent back to the RFP to confirm that all the needed information has been received. For example, if a customer is applying for a new credit card, a request would be received from the Amex website, then RFP would have to call a few downstream systems. Examples of these systems may be the Letter System to send the customer an email/letter and the Authorization System so they can use the card.

**Responsibilities:**

* Used **Agile software development methodology** which helps to develop project plans.
* Developed **RESTful web service using Spring Framework** to get customer credentials and information.
* Experience using **Microservices to build flexible, independently deployable software systems.**
* Working on **Spring MVC Framework** and integrated UI with **RESTful web services using JSON messages.**
* Written **Hibernate DAO's** to interface with Oracle database.
* Used **Microservices architecture, with Spring Boot based services** interacting through a combination of **REST and Spring Boot**.
* Created **Oracle (DDL, DML scripts) and SQL statements** for the effective retrieval and storage of data from the database.
* Created **AWS Lambda using java** to perform event driven processing.
* Developed **Microservices using Spring MVC, Spring Boot, and Spring Cloud**.
* Auto-Generation of client-side code **using APACHE AXIS2 with JAXB-RI binding.**
* Implemented new features in **Java 1.8 like Collections API improvements, Functional interfaces, and Lambda expressions.**
* Involved in development and testing **core components using multi-threading**.
* Involved in **backend server-side coding and development using Collections including Set, List, Map, Exception Handling.**
* Implemented the function to send and **receive AMQP messages on Rabbit MQ synchronously and asynchronously and send JMS message to Apache Active MQ on the edge device.**
* Involved in **Junit, Unit testing and Log4j** in developing test cases. Developing Web services based on **REST and SOAP**.
* Developed **Maven scripts** for various tasks to automate the build process and for the deployment of the application in **WebSphere server by generating WAR and EAR files**.
* Used **Spring Core Annotations for Dependency Injection and used Apache Camel** to integrate Spring framework.
* Developed stored procedures, triggers and used **PL/SQL on Oracle database.**

**Environment:** Java1.8, Spring (Spring MVC, Spring Core, Spring ORM), Multithreading, Hibernate, Microservices, Spring Boot, RESTful, Gradle, Junit/ Mockito, AWS, Jira, GIT, React.JS.

**Red Centric Hyderabad, India June 2016 to May 2019**

**Java Developer**

**Project Description:** The new batch application systems are replacing with existing application that fetches expenses from the RSI systems. The present management vision is to replace the RSI system with the LR which is now called PAID/ Single Family/ Multifamily Systems. The batch or the SER Interface that which fetches the required loan information from database to fetch reimagine loans followed by fetching expenses for those loans form PAID.

**Responsibilities:**

* Developed Core business components using **Java, Spring MVC and Hibernate**.
* Worked to **build Restful web services to consume and produce the data for the various interrelated systems.**
* Involved in Developing **Intranet Web Application using J2EE architecture, using JSP to design the UI and Hibernate** for database connectivity.
* Developed stream processing applications using frameworks such as **Apache Kafka Streams, Apache Flink.**
* Developed and optimized stream processing applications **using Kafka Streams, leveraging its APIs and DSL for data transformations, aggregations, and windowed computations.**
* Experience in **configuring workflows, trade processing, and report generation within the Murex system.**
* Designed and implemented custom **Murex modules, enhancing trade lifecycle management and streamlining data integration processes.**
* Designed and implemented event-driven architectures using **streaming technologies to enable real-time processing, event-driven workflows, and event-based communication between microservices.**
* Worked on Development of **Hibernate objects for data fetching for batch and front-end processing.**
* Implemented **Spring MVC framework** and integrated products with web services.
* Worked with **AJAX and JSON to make asynchronous calls** to the project server to fetch data on the fly.
* Used **Hibernate, object relational-mapping (ORM) solution**, technique of mapping data representation from **MVC model** to **Oracle Relational data model with SQL-based scheme**.
* Utilized the **Java Collections API** extensively in the application as **security protection for XML, REST and JSON to make a secure Web Deployment.**
* Deployed the application on **Amazon Web services** (AWS) and used it to provide a large **computing capacity for scalable solutions**.
* Attending the **daily stand-ups as part of Agile and communicating assigned user** story updates and discussing any issues with the team upfront.
* **Provide support during Production Deployment.** Resolving the bug fixes during the release or QA phase.

**Environment:** Java, Spring, Hibernate, JSP, Oracle, PL/ SQL, spring web flow, AWS, Maven, Git, JUnit, REST, HTML, CSS, AJAX, JIRA.

**Couth Info tech Pt. Ltd-Hyderabad, India July 2013- May 2016**

**Java Developer**

**Project Description:** Basic functionality of this project is to support activities and processes of an S/W Organization. In this project, I worked on different modules like Projects Module, Job Module, Tickets Module, and User Profiles. Coding was done using Extreme programming methodology where we write a high Junit test to test methods in these modules. As part of support, we fixed bugs and sometimes we do enhancements as per client direction. As part of implementation, we developed html view/edit pages using decorators, parsed xml’s to load configuration files, mapped xml data to database tables and created and deployed JSPs and Action form beans.

**Responsibilities:**

* Designed use **case diagrams, class diagrams, and sequence diagrams as a part of Design Phase using Rational Rose.**
* Involved **in Software Development Life Cycle (SDLC) of the application** Requirement gathering Design Analysis and Code development.
* Implemented **Struts framework based on the Model View Controller design paradigm**.
* Implemented **the core java, data structures, multithreading, and collections concepts.**
* Designed the application by implementing Struts based on **MVC Architecture, simple Java Beans as a Model, JSP UI Components as View and Action Servlet as a Controller.**
* Used **JDBC for data access from Oracle tables.**
* Developed the **GUI using JSP, Servlets, HTML and JavaScript.**
* Created and **implemented PL/SQL queries**, views stored procedures and triggers.
* Used **Log4J logging framework to write Log messages** with various levels.
* Deployed **web components, presentation components and business components in Web Logic Application Server.**
* Worked on **triggers and stored procedures** on Oracle database.
* Implemented Servlets to handle **HTTP requests for on-line requests, credit card payments, registration, and bug tracking.**
* Worked on **Eclipse IDE to write the code and integrate the application.**
* Used **SOAP UI to test the web service API calls.**

**Environment:** Java 1.5, J2EE, Servlets, JSP 2.5, Struts, Log4J, JavaScript, JUnit 4.1, CVS, Rational Rose (UML), Oracle10g, Web Logic Server 10.0, Eclipse IDE, Ant, XMLs/XSD, Jax-ws (SOAP) web services, SAX, jQuery.

**Education:**

**Degree:** bachelor’s in computer science and engineering (CSE)

**University:** Sathyabama University － Chennai, India (2013)