## RANEESH RAJENDRAN

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**SYNOPSIS**

**➲**Proactive member with 3 years of experience working in distributed computing environment deals with **architectural design and application development** with passion towards automation and delivering extraordinary product to customers.

**➲**Sound hands-on experience and understanding in **Spring Boot, Microservices, Angular,** **ESQL programming, Jenkins pipeline & APIGEE.**

**➲**Strong understand in professional **Software Development Practice (SDLC)**.

**➲**Good understand in **Agile Scrum Methodology** for software development.

**➲**Good knowledge of data structures, algorithms, and object-oriented programming.

**➲**Fast & self-directed learner work effectively as a team player. Enjoy new ventures and capable of taking on extra responsibilities to get work done.

**TECHNICAL SKILL**

**Technology (Hands-On)**:Core Java, J2EE, JavaScript, ES6, Node.JS, HTML5, CSS3, Bash/Shell, Angular 5, Python, Extended Structured Query Language (ESQL), JSON, XML/XMLNS

**Gateway**: APIGEE Edge (SaaS)

**Frameworks**: Spring Boot, Express, Spring MVC, Spring Data JPA, Hibernate, Spring Cloud

**Architecture**: Microservices, SOA, REST, SOAP

**Database**: DB2, Oracle, MongoDB

**Server**: Tomcat, IBM Web sphere

**CI/CD**: Jenkins, Bitbucket, Artifactory

**IDE & Tools**: Spring Tool Suite (STS) 4.3.2, IBM MQ, IBM Integration Bus (IIB) V10, RAD, IntelliJ, Git, Postman, SOAPUI, Splunk, ALM, VersionOne, Swagger.IO, RfhUtil Client

**PROFESSIONAL EXPERIENCE**

## TATA Consulting Services - Chennai, India (March 2018 - Present)

***Systems Engineer*** *(Developer)*

**Working in Insurance product-based domain.**

A member of Integration development team designing web services to automate business in processing policies, providing solution for policy-oriented issues and introducing new products into the market for Individual Life and Annuity insurance type.

## ANNUITITES PRODUCT ENHANCEMENT (CURRENT PROJECT)

Redesigning legacy Web Methods (Enterprise Service Bus) monolithic architecture-based applications to Spring Boot REST microservice based applications.

***Technologies****: Spring Boot, Junit 5, Mockito, CI/CD (Jenkins), On-Prem Linux (Server).*

**Accountability:**

**➲**Responsible for designing, developing and testing of REST based Integration Web Services & API(s) – Spring Boot applications which process transaction from Consumer to backend staging area written in JAVA 10.

**➲**REST calls were implemented via HTTP or HTTPS to interact with backend area applications via both in XML and JSON using JAXB or Jackson parser.

**➲** JUnit test cases were written for business service logics, controller endpoint and exception handling. Mocked and Injected the service or target calls using Mockito.

**➲**Logging was accomplished using AOP and Log4j along with Spring Boot in-built logs to file-based output with exception handling in necessary places.

**➲**Sonar plugin was implemented for analyzing code standards and publishing report in SonarQube dashboard for constant quality check maintenance.

**➲**Responsible for carrying out performance testing which includes unit, functional, smoke test cases through SOAPUI or Postman.

## VENDOR INTEGRATION - APS UNDERWRITING

Integrate new vendor with organization to facilitate Underwriting services encompassing the completion of paramedical exams in Individual Life Insurance domain.

***Technologies****: Core Java, IBM Integration Bus V10.0, Microservices, CI/CD (Jenkins).*

**Accountability:**

**➲**Implemented entire integration in short span contingency plan to minimize business disruption in the organization during COVID-19.

**➲**Extensively involved in design, development and testing REST Web Services and API(s) performing data transformation and transmission to vendor from the organization.

**➲**Implemented REST based architecture using HTTP(s), MQ and File protocol for consuming legacy application within organization and also to interact with vendor side applications.

**➲**SOAP based architectural XML was transformed to JSON to support REST based vendor API which led to effective solving critical workflow issues.

**➲**Closely worked with Business, Consumers, Admin Systems and different stake holders.

**➲**Sonar was included for analyzing code standards and quality.

## SALEFORCE API INTEGRATION – AGENTS PORTAL

Integrate Salesforce Cloud application with organization to facilitate services provided to Financial Professional in Individual Life Insurance domain.

***Technologies****: Core Java, IBM Integration Bus V10.0, Microservices, CI/CD (Jenkins).*

**Accountability:**

**➲**Extensively involved in design, development and testing REST Web Services and API(s) performing data transformation and transmission to Salesforce API.

**➲**Test Driven approach was followed in the development of the services.

**➲**Implemented REST based architecture using HTTP, MQ and File protocol for consuming legacy application within organization.

**➲**Experience in handling structured data set (XML & JSON) and also unstructured sets (COBOL, MRM & BLOB).

**➲**Continuously worked in agile team with delivering necessary changes in duration of 2 sprints.

**➲**Various lookup logics are handled in code by performing transaction with Mongo DB utilizing the Loopback node.

**➲**Real-time email is triggered whenever exception happens in the flow using built-in Email Output Node.

## PAYMENT GATEWAY

As a Gateway Application, authorizing and processing card (Credit & Debit) and electronic payments (EFT). It transfers data to third party payment vendor from UI application.

***Technologies****: Angular 1.x, Spring MVC, IBM WebSphere, Microservices, CI/CD.*

**Accountability:**

**➲**New module was implemented for EFT payment using Angular Js in UI and enhancing Spring components on backend.

**➲**Existing module for Card payment was enhanced in UI to support payment from multiple systems in the organization.

**➲**UI was enhanced to increase performance and write reusable components.

**➲**Critical bugs raised by QA/UAT were fixed and performed unit test along with regression testing for checking health status of the application.

**➲**Closely worked with Business, Consumers, Admin Systems and different stake holders.

## GATEWAY API

API Proxy handles user authentication & authorization, rate limiting and statistics between frontend application and backend system application.

***Technologies****: JavaScript, APIGEE Edge & API Store*

**Accountability:**

**➲**Developed challenging REST API calls and parse the data to client handling the security and authorization using OAuth 2.0 token method.

**➲**Products maintenance and app traffic was handled within the limits of the capacity of APIs and consumers.

**➲**Caching mechanism was implemented to improve performance and to support better security using Lookup Cache policy.

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**➲**Effectively used ES6 in JavaScript policy to handle multiple requirements.

## ENHANCEMENTS & PRODUCTION INCIDENTS:

**➲**Developed microservices components with multiple lookup translations, logics, cache mechanism, pagination and sorting implemented.

**➲**Made several BAU performance enhancements and fixed multiple production delays in application in organizational payments.

**➲**Analyzed and fixed several production incidents occurred in product enhanced applications which include severity 1 issue.

**➲**Responsible for fixing multiple QA & UAT defects in the service which enacts as generic API for fetching transactional data from backend systems.

**➲**Implemented filters to an existing service based upon the criteria received from frontend consuming application allowing multiple input parameters for the Financial Professionals/Agents/End User to request data.

## AUTOMATION & POC TASKS

**➲** **KAFKA BASED DB LOGGING** (CURRENT)

- Collection of Spring Boot API(s) which receives the E2E logging data from every application and insert into Database to viewed by GUI application available in organization.

- Responsible for entire design and framing the generic project structure using Spring AOP & Custom based annotation.

**➲** **SELF SERVICE**

- A UI based web application showing real-time policy application status (Initiated, Approved and Placed) to Client fetching the necessary data from DB2 based on event-based approach.

- Policy status information crossing each stage will be updated into DB2 after completion of each event.

**➲** **BULK COMPARISON TOOL**(ENHANCEMENT)

- A GUI application used to generate request based on a template and compare multiple responses with expected values on predefined criteria and generate report on field level changes, success and failures.

- Effectively used in regression and performance testing.

**PROJECTS ACHIEVEMENTS**

**➲**Name was published in organization dashboard by CEO as an extraordinary associate for effectively completing new vendor integration in short span.

**➲**Directly received appreciation from client for an active team player and quick learner.

**➲**Received “on the spot” award for supporting and wrapping up a project within a short span for adjacent newly acquired project.

**CERTIFICATION**

**➲**AngularJS and Core Java Intermediate Level Certification from iEvolve - TCS Internal.

**➲**Developing APIs with Google Cloud's Apigee API Platform - Coursera.

**ACADEMIC INFORMATION**

**➲**B. E (Electronics and Instrumentation Engineering) from Government College of Technology located Coimbatore, India in the year 2017 with 7.74/10 CGPA.

**➲**H.S.C from Bharathi Vidya Bhavan located Erode, India in the year 2013 with 93 percent.

**PERSONAL INFORMATION**

**Hobbies**: Photography, Pets – Cat lover, Badminton

**Languages known:** English (Intermediate)