

**Name: Rajasekhar**

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### **Professional Summary:**

- 10 years of experience in development of various applications using Java and J2EE architecture technologies.
- Experience in Analysis, Design, Development, Research and Implementation of Software Applications.
- Hands on Experience on implementing the Opinionated approach applications using spring Boot, Microservices and Spring Cloud.
- Having Good Work Experience in Developing both Monolithic and Micro Services Based Applications.
- Experienced in Containerizing the Microservices using Docker, Deploying and Maintaining them in AWS.
- Having Good Work Experience with JSON data parsing using JACKSON and GSON Apis.
- Having good experience in Apache Kafka for processing stream of data.
- Experience with Software Development Processes & Models: Agile, Waterfall Models.
- Worked on developing Single Page web applications (SPA'S) using React JS and React Hooks
- Expertise at application development using frameworks Spring, Hibernate and Restful web services
- Application development experience using Core Java, Servlets, JSP, JDBC, Java Beans, JPA and MVC and stateless architecture.
- Experienced in using MVC (Model View Controller) architecture for developing applications using JSP, Java Beans and Servlet, Spring MVC.
- Implemented Data Access Layer with the JPA and Hibernate. Experience in performing Unit/ Integration testing using JUnit.
- Experience in developing Apis using TDD/BDD approach. Hands on experience on source code management repositories such as GitHub.
- Worked on project build management tools like as Maven
- Experienced in using application logging frameworks like Log4j
- Experience in Customizing the docker images by writing Dockerfile according to the needs.
- Experience in creating multi container architecture using docker compose.
- Use of Docker Compose as a local development environment in AWS EC2 Instances.
- Extensive experience working on Docker hub, creating docker images, handling multiple images.
- Worked on Jenkins by installing, configuring and maintaining for the purpose of continuous integration (CI).
- Extensive experience working in AGILE methodology environment and participating in sessions that includes Analyzing, Designing, implementation & Production Support.
- Domain knowledge – Banking, Education, Social Insurance and E-governance.

## Technical Skills

J2EE Technology	Servlets, JSP, Tag Libraries, JDBC, JNDI, JPA.
Architecture & framework	Spring4.x, Spring Boot, Micro Services and Spring Cloud, ReactJS18.x
Security Implementations	Spring Security5.x(Oauth2), WSO2
Database	Oracle, MySQL 5.1.26, MongoDB
IDE	Eclipse and STS
Operating Systems	Windows 9x/NT/XP/2003/7/8, Linux.
GUI	HTML, XML, AJAX, JavaScript, CSS, Material UI
Web/App Servers	Jakarta-Tomcat5.0,6.0,7.0,8.x,9.x, Weblogic 12c
Query Languages	SQL, HQL.
Script	Java Script
Programming Language	Java11

### Experience Summary:

- ✓ Worked with **Macro Software Systems LLC Muscat, Oman** as **Java Consultant** from April 2014 to Aug 2023.
- ✓ Worked with **Maintec Technologies Pvt. Ltd Bengaluru** as **Software Engineer** from Dec 2012 to July 2013.

### Educational Qualification:

**B.Tech (ECE-2009) from JNTU-Ananthapur**

### PROJECT DETAILS:

**Project** : **Social Insurance**  
**Client** : **Public Authority for Social Insurance**  
**Team Size** : 8  
**Duration** : November 2020 to August 2023

**Description:** The objective of the project is to implement a fully Integrated Insurance Exchange and Integrated Eligibility System for citizens of Oman. Application provides social protection against risks involving old age, disability, death and any other risks concerning work injuries, occupational diseases and Unemployment Benefits.

#### **Contribution:**

- ✓ Understanding the business use cases, and analyzing the domain driven services using the Domain Driven Design and Bounded context approach.
- ✓ Writing Single responsibility services using Spring Rest and Boot by following the Micro-services principles and characteristics
- ✓ Implementing the global exception handlers using the Controller Advice.
- ✓ Involved in implementing the authentication, authorization mechanisms Using WSO2 IAM Server to generate security tokens using Oauth2 and JWT patterns.
- ✓ Implemented persistence mechanism using Hibernate (ORM Mapping) and JPA.

- ✓ Responsible for mapping the database model into persistence objects using JPA Annotations.
- ✓ Used Maven build tool to build the application.
- ✓ Involved in implementing the Microservices Ecosystem using the Spring Cloud.
- ✓ Involved in implementing the Config server, discovery server, API gateway and Circuit Breaker patterns.
- ✓ Implemented Apache Kafka for asynchronous communication between services.
- ✓ Involved in Containerization the echo system using Docker
- ✓ Involved in deploying the echo system in cloud I.e. AWS
- ✓ Imprinting the business eccentric state full and state less components using React and hooks
- ✓ Involved in designing the service specific components using Material UI
- ✓ Integrating the react components with the micro services by writing the delegated services.
- ✓ Handling the services specific error responses and formatting to the business specific messages
- ✓ Configuring the react routes onto the components implemented
- ✓ Bug fixing and maintenance of the product.

**Project** : **Credit Eligibility system**  
**Client** : **Bank Muscat**  
**Team Size** 3  
**Duration** : July 2022 to April 2023

**Description:** Application is to determine the credit eligibility of customer. Based on the inputs of user eligibility will be checked by integrating with external services and interest rate will be decided and forwards the approved loan to the core team for the disbursement of the loan.

**Contribution:**

- ✓ Writing Single responsibility services using Spring Boot by following the Micro-services principles and characteristics
- ✓ Implementing the global exception handlers using the Controller Advice.
- ✓ Implemented persistence mechanism using Hibernate (ORM Mapping) and JPA.
- ✓ Responsible for mapping the database model into persistence objects using JPA Annotations.
- ✓ Involved in implementing the Microservices Ecosystem using the Spring Cloud.
- ✓ Implemented Apache Kafka for asynchronous communication between services.
- ✓ Bug fixing and maintenance of the product.

**Project** : **Inventory and Sales Management System**  
**Client** : **Locos Auto**  
**Team Size** 4  
**Duration** : November 2021 to May 2023

**Description:** Application to maintain the inventory details of various Products manufactured by Locos Automotive through the plants in India and China. System has different modules such as Admin, Sales, Finance and Stockists.

**Contribution:**

- ✓ Understanding the business use cases, and analyzing the domain driven services using the Domain Driven Design and Bounded context approach.
- ✓ Writing Single responsibility services using Spring Rest and Boot by following the Microservices principles and characteristics

- ✓ Implementing the global exception handlers using the Controller Advice.
- ✓ Involved in implementing the authentication, authorization mechanisms to generate security tokens using Oauth2 and JWT patterns.
- ✓ Implemented persistence mechanism using Hibernate (ORM Mapping) and JPA.
- ✓ Implemented Mongo Repository in a service which is used to update stock using CQRS pattern.
- ✓ Responsible for mapping the database model into persistence objects using JPA Annotations.
- ✓ Involved in implementing the Microservices Ecosystem using the Spring Cloud.
- ✓ Involved in implementing the Config server, discovery server, API gateway and Circuit Breaker patterns.
- ✓ Involved in Containerization the echo system using Docker
- ✓ Involved in deploying the echo system in cloud I.e. AWS
- ✓ Imprinting the business eccentric state full and state less components using React and hooks
- ✓ Involved in designing the service specific components using Material UI
- ✓ Integrating the react components with the micro services by writing the delegated services.
- ✓ Configuring the react routes onto the components implemented
- ✓ Bug fixing and maintenance of the product.

**Project** : HEAC System  
**Client** : Ministry of Higher Education, Oman  
**Team Size** 7  
**Duration** : November 2017 to August 2023

**Description:** Application for admission to Higher Education for students. System has scholarships for Under Graduate and Post Graduate students. Scholarship will be rolled out for the students after validating by the system according to the criteria set up by government authorities.

**Contribution:**

- ✓ Understanding the business use cases, and analyzing the domain driven services using the Domain Driven Design and Bounded context approach.
- ✓ Writing Single responsibility services using Spring Rest and Boot by following the Microservices principles and characteristics
- ✓ Implementing the global exception handlers using the Controller Advice.
- ✓ Involved in implementing the authentication, authorization mechanisms to generate security tokens using Oauth2 and JWT patterns.
- ✓ Implemented persistence mechanism using Hibernate (ORM Mapping) and JPA.

**Project** : **Examination System**  
**Client** : Royal Court Affairs  
**Team Size** 3  
**Duration** : April 2014 to Oct 2017

**Description:** Examination System fulfills the needs of recruitment process in Royal Court Affairs

Citizens, public and private sectors will register their profiles and get user id & Password. Authenticated candidates can apply for different positions, When Employer announce vacant openings and update the selected candidates. The system will have facilities to communicate with citizens using SMS gateway, email etc. The system will integrate with other organizations in private & public sector and update the records pertaining employment accordingly using web services facilities. The citizens will apply for Job Using SMS facility. The system will be searchable using keywords for searching of jobs based on citizen's location, skill set and job matching. The system will have user defined reports, online help and Adhoc reports