**KARTHIK K  
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**Full Stack Java Developer**

**PROFESSIONAL SUMMARY:**

* **Having 9 years of strong experience** with Java technologies for wide range of development from Enterprise applications to web-based applications. And Financial Applications.
* Having proficiency in **JIRA** for bug tracking, issue tracking and project management functions.
* Proficient in large-scale application design and **architecture** related solutions
* Experience in Production defects Solving
* Proficient in Solving Member Side Incidents.
* Extensive experience in developing and deploying applications on various **web servers and application servers** like WebLogic, IBM Web sphere, Tomcat, JBoss.
* Extensive experience in development using **J2EE frameworks** – Struts, EJB, Hibernate and Spring Frameworks.
* Expert in developing spring-based application using modules – **Spring core, Spring AOP, Spring ORM and Spring web MVC**
* Expertise in **web services (SOAP, REST)** involving J2EE and SOA Technologies based projects.
* Proficient in leading UI technologies like **Bootstrap, Angular 1.x/2/4/5, React.js, Node.js, Backbone.js and Embre.js**
* Strong experience in UI & Client side validations using **HTML 5, CSS3, Java script, JSP, Struts tag libraries, AJAX, DOJO, JSON, XML, XSLT and Java Script** frameworks like, JQuery
* Developed Restful micro services using spring boot and spring **cloud**.
* Experience in deploying applications on AWS using **Amazon EC2,Lambda,Docker,Kibana and Dynamo DB**
* Designed, advocated, and implemented the reorganization of the **DevOps** team to scale the organization.
* Closely worked with kafka admin to setup kafka cluster on QA and production Environment.
* Expertise in using configuration management tools like **Git, SVN for version controlling.**
* Experience in **Jenkins** for facilitating continuous integration and continuous delivery(CD/CI)
* Having proficiency in **JIRA** for bug tracking, issue tracking and project management functions.
* Extensive experience implementing **Agile** methodology and **Test driven development(TDD)**
* Involved in entire **SDLC** of the projects including Design, Development, Testing Implementation and production support.

**Educational Experience :-**

**Masters in Computer Science :- Texas A&M University, Texas.2018**

**Bachelors in Computer Science :- Gokaraju and RangaRaju Engineering and Technology, Hyderabad.-2014**

**Certifications:- Aws Certified Developer-Associate.**

**PROFESSIONALEXPERIENCE:**

**Fannie Mae :- Remote Reston, VA** **Dec 2020 to Present**

**Role: Java Developer**

**Responsibilities:**

* Implemented **Agile**, Scrum methodologies actively involved in technical meetings, requirements gathering, analysis, planning, effort estimations, development and testing.
* The Insurance project involves the design and development of a Web based application to provide online insurance services.
* Used Spring kafka Api calls to process the messages smoothly on kafka cluster setup.
* Used **Spring modules** like Core, Scheduler, JDBC template ,MVC and Security.
* Optimized Microservices using NodeJS and ES6 as interfaces to Cassandra NoSQL database.
* **Used Spring Security** for authentication and authorization of the application.
* Using **Spring JPA and Spring Repository** pattern extensively.
* **Utilized the Spring Integration** Framework for the project.
* The web application provides functionalities such as policy management, profile management and claim reporting.
* Responsible for Development of Web page using HTML5, JavaScript, jQuery, **React.js**, **Immutable JS**, CSS, **SASS/SCSS** including Ajax controls and JSON.
* The client can access complete account information, details about his policy, upgrade to a new policy based on his previous payment history and credit score, track his claim approval status, and Look up for an agent near his area and file for claims.
* Involved in using **ReactJS**components, Forms, Events, Keys, Router, Animations and Flux concept.
* Experience in Client Scripting language and server-side scripting languages like HTML5, CSS3, JavaScript, TypeScript, jQuery, JSON, Bootstrap, Angular1.x/2/4/5, React, Redux, Express.js, Node.js.
* Professional understanding of System development life cycle (SDLC) as well as various phases such as Analysis Design, Development and Testing.
* Developing and maintaining the build environment, the source code control system and managing build packages using **TFS**.
* Have knowledge on Partition of kafka messages and setting up the replication factors in kafka cluster.
* Developed Web API using Node.JS and hosted on multiple load balanced API instances.
* Involved in coding, maintaining, and administering **JSP** components to be deployed on a **spring boot** and **Apache Tomcat** 8.0 web server.
* Coding and integration testing for the transformation services, offshore co-ordination and technical support.
* Worked on **Spring IOC**, **Spring MVC** and **spring integration** with **Hibernate**.
* Developed UI using Bootstrap, **AngularJS** along with JSON and communications with back end **using REST with Spring MVC** framework
* Implemented **JMS to asynchronously** send and receive messages, Error Tickets placed in Message Queues automatically generated and updated into database by Remedy Trigger.
* Created **MULE ESB** artifact and configured the MULE Config files and deployed.
* Developed **REST services** to talk with adapter classes and exposed them to front-end.
* Used JERSEY framework to implement the JAX-RS (Java API for XML and RESTful Service.
* Used Hibernate as an ORM framework to access the data from Oracle database.
* Used Docker coupled with load-balancing tool Nginx to achieve Continuous Delivery.
* Developed **Micro services using RESTful services** to provide all the CRUD capabilities.
* **Build Micro services** for the delivery of Purchase Order module using spring cloud.
* Used Spring Core Annotations for Dependency Injection and **used Apache Camel** to integrate spring framework.
* **Developed DAO laye**r using **JPA Criteria Builder** it is used many projects for database operations and reduced redundancy.

**USAA , San Antonio Tx Feb 2019- Dec 2020.**

**Role: Java Developer**

**Responsibilities:**

* Design and developed the REST based Microservices using the Spring Boot, Spring Data with JPA.
* Created **JAX-RS RESTful web services** for GET, POST, PUT and DELETE requests. Used POSTMAN Rest client for chrome to test all the services.
* **Customized RESTful Web Service using Spring RESTful API**, sending JSON format data packets between front-end and middle-tier controller
* Successfully handled JSON/XML data and carried out JSON/XML parsing for form submissions and DOM manipulation.
* Responsible for design and developing Persistence classes **using Spring JDBC** Template frameworks to save data in database tables.
* Experience in developing Graphic User Interface (GUI) to display business data using jQuery with Cross-browser compatibility and Web application scaling.
* Working knowledge of Web protocols and standards (HTTP HTML5/XHTML/, CSS3, Web Forms, XML, XML parsers).
* **Used Hibernate, object/relational-mapping (ORM) solution**, technique of mapping data representation from MVC model to Oracle Relational data model with a SQL-based schema.
* Worked on **PostgreSQL** like interacting with Database, writing stored procedures and debug and fix the issues as well.
* Build mail and messaging applications **using Java Mail API** and used **Jenkins** and Maven scripts to build the application.
* Involved in working, updating and closing the tasks created in **GIT**. Used Git/Github for source management.
* Set up **Jenkins server** and build jobs to provide continuous automated builds based on polling the GIT source control system.
* Responsible for developing Data Service (JAVA, XML, PL/SQL) for **Oracle** (Policy/Group info) and **Sybase** (Client Info) databases.
* Worked on common utility classes using JAVA and main **JSP** actions (includes pagination
* Developed tabs with rollover effect using **JavaScript** plus other effects.
* Involved in creating http inbound & outbound flows, Orchestrations, Transformations using **MULE ESB**.

**Walmart , Arkansas. Nov 2017 – Dec 2018**

**Role :- Java Developer**

Description:- This project provides all the screens to the DB customers to login In and view all their Account information, make fund transfers, apply for loan Etc.

* Developing jsp pages and view and controller related files using spring MVC framework.
* Integrating the view module with Oracle database using Hibernate.
* Used agile development methodology of software development.
* Design json requests according to the front End pages.
* Process the json requests according to the request , send it back to the front end after the logic processing.
* Managed associations such as one to Many, many to one.
* Developed and maintained Unix Shell Scripts for data -driven Automatic processing.
* Troubleshot the problems and fixes the bugs in XSLT and java related programs.
* Unit testing using Junit.
* Using javascript for validations
* Participating in on-call application support and responding to applications issues when identified .
* Communicating with stakeholders and management team on a regular basis in a concise manner
* Ensuring ongoing compliance with SDLC processes
* Managing SDLC processes and associated artifacts
* Delivering a robust self - service environment for the end user community
* Engaging in application architecture and design decisions
* Building and managing relationships with business team to understand their goals
* Developed **Junit tests using Mockito framework** in a **TDD** (Test Driven Development) environment.
* Developed **REST Web services using CXF** to perform transactions from front end to our backend applications, response is sent in JSON or XML formats based on the use cases.
* Responsible for code merging modules using clear case.
* Responsible for change requests and maintenance during development of the project.
* Involved in requirements gathering – User Interface, Business Processes and Non-functional requirements.
* Developed Use cases, Class/Activity diagrams using Rational Rose and Flow charts using **Visio**.
* Developed Process and Data Access Beans for business and data inquiry logic.
* Responsible for presentation layer in **JSP, HTML, Java1.4**using **Struts** framework.

**Solunus , India Feb 2014 – March 2017**

**Role :- Java Developer**

**Description**: This Project includes the code required to accomplish all of the functions necessary for ensuring valid accounting data is captured, processed and maintained. This involves the following steps: Create entries, Review entries, validate entries, submit Entries and Maintain entry history.

**Responsibilities:**

* Used **waterfall** methodology for development process.
* Used **CVS** for version controlling.
* Involved in Software Development Life cycle starting from requirements gathering and performed OOA and OOD using UML.
* Used Multithreading to serve multiple clients.
* Provided concurrent access to the application by using Multithreading.
* Involved in designing & documentation of flows & functional diagrams using Rational Rose.
* In charge of the entire Front-end (user interface) part of the system, using JSP, Servlets, HTML, JavaScript.
* Involved in developing web-tier **using JSPs** and client-tier using HTML pages.
* Developed client-side validations using JavaScript
* Developed **Servlets** to process requests from the client and forwards the response to JSP pages.
* Developed **Session Beans** to provide a client’s view of the account transactions business logic.
* Developed Entity Beans to provide an object view of the database tables which contain the business logic to access the tables.
* **JDBC** was used to access data from Oracle database.
* Wrote SQL Queries, PL/SQL procedures, for retrieving information from database
* Deployed the application on Apache Tomcat server.
* Involved in Production Support and Maintenance.
* Managed Source Control and Version Control using CVS and SVN.
* Involved in requirement analysis.
* Developed the front tier for the site based on Model-View-Controller (**MVC**) design pattern Using **Struts** framework.
* Developed a **Spring MVC** application in connecting to database.
* Leveraged **struts-validations, struts-beans** tag libraries.
* Designed and deployed server side **EJB** (Session Beans and Entity Beans) components on **Eclipse IDE**.
* Implemented EJB Session beans and entity beans.
* Worked on Jenkins, Maven as a build tool.
* Involved in Server configuration and setup.
* Used Ant tool for build scripts

**Environment**: Java, Struts, J2ee, Multithreading, EJB, CVS, JavaScript, Ant, Web Services, Jenkins, Maven, UML, XML, XSLT, Servlets, JDBC, CVS, SVN, Apache Tomcat