**Richika Karra**

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PROFESSIONAL SUMMARY

* **8+ years** of experience in various phases of Software development including system analysis, design, development, testing, and implementation of web-based applications using JEE architecture.
* Experience in IT or eBusiness, including experience with e-commerce, web application development, or other eBusiness solutions.
* Excellent experience in Object Oriented design and Expertise in development of Applications involving J2EE technologies with Java, Servlets, JSP, JavaScript, AJAX, Spring MVC, Hibernate, JPA, XML, JDBC,JAVA Bean, JMS Restful, SOAP Web Services, PL/SQL,data ElasticSearch, Perl and UNIX shell scripting.
* Expertise in developing and consuming Web Services including different technologies and standards like SOAP/UDDI/WSDL, RESTful, JAX-WS, JAX-RS, Apache CXF.
* Experience with frame works like Struts, spring, Hibernate and JPA.
* Using Spring Boot framework, spring security, Hibernate, Java 8 and UI Build API.
* Experience in support and deployment of OpenShift framework.
* Experienced in web services design and development using HTML, Java Script, Angular JS, AJAX, CSS, JSP Tag libraries, XML and JSON.
* Extensive experience in preparation of reports, maintenance of environment details from Development to Test & Production and updating the source code repositories.
* Hands on experience in using unit test tools like Jest for web development and JUnit for Java.
* Builded client-side routing structure with React JS Router.
* Strong working knowledge in developing Restful webservices and Micro Services using Golang
* Strong experience on DevOps concepts like Build automation, Continuous Integration (CI), Continuous Deployment (CD), Infrastructure as code technologies and Cloud computing.
* Evaluated application architectures, made suggestions, and led refactoring efforts to solve problems by applying enterprise application design patterns including Domain Driven Design, Object-Relational Mapping (ORM), Repository and Unit of Work patterns, Inversion of Control (IoC), separation of concerns, and proper layering and solution structure. Used the same techniques to architect new application projects as well.
* Expertise in using J2EEApplication Servers like Oracle WebLogic and Webserver’s like Tomcat 5.x/6.x.
* Used JavaScript and PHP to create dynamic applications within websites.
* Used node.js as a proxy to interact with RESTful services and interacting with PostgreSQL Database.
* Built SPA with loading multiple views using route services using Angular and Node.js.
* Involved in making of efficient and fast application running using Node.js Non-blocking I/O.
* Expertise in database modeling and development using SQL and PL/SQL in MySQL.
* Experience in Regression testing and Unit testing using tools like JUnit.
* Experienced of real time streaming platform like Apache Flume, Apache Kafka, Apache Spark (Streaming, batch and SQL) and Apache Cassandra used for Internet of Things(IOT) use cases
* Experienced in Adobe LiveCycle ES3/ES4 with work experience in LiveCycle Workspace, Process Management, and digital signature and Document output services like Life Cycle PDF generator and good knowledge to other modules like Data Services.
* Excellent experience in installing Adobe Life Cycle Enterprise Suite, creating data sources and deploying EAR's in WebLogic and WebSphere Application Server, and manually configure them based on the Environment requirements.
* Strong Domain knowledge in Credit Card, Banking Commercial Lending and Mortgage Loan.
* Expertise in Spring framework, including Spring IoC, Spring DAO support, Spring ORM, Spring AOP, Spring MVC, Spring Cache, Spring Batch, Spring Boot.
* Expert knowledge over J2EE Design Patterns like MVC Architecture, Singleton, Factory Pattern, Front Controller, Session Facade, Business Delegate and Data Access Object.
* Proficiency in developing Model View Controller (MVC) Architecture based applications using Spring Framework.
* Have good knowledge working on XML Suite of Technologies XML, XSL, XSLT and validations with DTD & XML Schema and processing files with SAX, DOM Parsers.
* Hands on experience in using VMware’s vCenter and vSphere Administration, Java Swings, Apache Wicket framework.
* Good Exposure on Apache Hadoop Map Reduce programming PIG Scripting and Distribute Application and HDFS.
* Good Knowledge of using IDE Tools like Eclipse, RAD 8.0, RAD 8.5, NetBeans for Java/J2EE application development.
* Experience in Linux Bash shell scripting and following PEP Guidelines in Python.
* Implemented REST services by Golang with microservices architecture.
* Have good knowledge of Apache Kafka.
* Experienced in supporting data analysis projects on the Amazon Web Services (AWS) cloud.
* Experience in using Maven and ANT for build automation.
* Clustering, NLP, Neural Networks. Visualized and presented the results using interactive dashboards.
* Experience in using version control and configuration management tools like SVN, GIT and JAZZ.
* Involved in developing Test plans, Test Cases (Manual/Automated), Test Procedures and white-box and black-box testing.
* Developed enterprise applications using Scala.
* Involved in provisioning and Automation servers on Public Cloud like AWS, AWS and Kubernetes.
* Expertise in Natural Language Processing (NLP), Text Mining, Topic Modelling, Sentiment Analysis, Association Rules Analysis and Market Basket Analysis.
* Good working knowledge on Application development life cycle process.
* Well versed with open source environment.
* Experienced with Cloud Computing environment like Amazon Web Services (AWS), Spring Cloud.
* **Software development**involving cloud computing platforms like**Amazon Web Services (AWS), Azure**and**Google Cloud (GCP).**

TECHNICAL EXPERIENCE

**Languages:** Java, Python

**JEE Technologies:** Servlets, JSP, JDBC, JAVA Bean and JMS

**MVC frameworks:** Spring MVC, Struts, JPA, Scala 2.11, Spark Core, Streaming, Spray/Akka, Http4s, Play2, Kafka,

**Application frameworks:** Spring

**ORM frameworks:** Hibernate 3.5

**IDE Tools:** Eclipse, STS, and IBM RAD

**Application Servers:** WebLogic, WebSphere, and Tomcat 5.x/6.x, Scala 2.11.8.

**DBMS:** MySQL, Oracle, NoSQL, Elastic Search, Columnar DB and IBM DB2

**Operating Systems:** Windows-98/2000/2003/XP, Linux, and Unix

**Unit testing:** Junit

**Methodologies:** Waterfall, AGILE and SCRUM.

**XML Technologies:** JAX-RPC, JAX-WS, JAX-RS, SAOP and REST.

**Web Technologies:** HTML, CSS, XML, JavaScript, AJAX, jQuery, BootstrapJsPHP,Nodejs.

**Business Rules:** ILOG JRules

**Forms Servers:** Adobe LiveCycle ES3/ ES4 and AEM 6

**Build Management:** Maven, ANT, Jenkins

**Others:** GIT, JAZZ, SVN, CVS, JMS.

**Hadoop Ecosystem:**Apache Hadoop (HDFS/MapReduce), Yarn, Pig, Hive, HBase, Sqoop, Flume, Apache Spark SPARK 1.6, SCALA 2.11 and 2.10, HIVE, HBASE

PROFESSIONAL EXPERIENCE

**Social Security Administration [AFS]–Woodlawn, MD August2020-Present
*Senior Java/J2EE Developer***

* Attend daily Scrum meeting organized by Scrum Master. Effectively communicate with technical staff at 3rd party partners by attending the meetings with them.
* Patch, Upgrade and keep the PostgreSQL DBs current. Develop and enhance scripts to automate and execute various DBA tasks.
* Developed procedure to create Postgres instance on AWS EC2 server.
* Developed securing the application using form-based authentication using **HTML, JavaScript, jQuery,**and**CSS.**
* Created infrastructure to integrate Bitbucket.
* Create and maintain database replication on AWS RDS using GUI and CLI.
* Experience with creating script for data modeling and data import and export. Extensive experience in deploying, managing, and developing MongoDB clusters. Experience in creating JavaScript for using DML operation with MongoDB.
* Experience in creating JavaScript for using DML operation with MongoDB.
* Used **Eclipse Juno**Server**Tomcat/WebSphere state side, Java 13, Java Servlet, JDBC, XML JUnit, dB Unit, Maven, Sonar, Find bug** etc.
* Implemented logging using Log 4j.
* Developed procedure to store old documents code from mongo dB to amazon s3.
* Created build and deployment scripts using **Maven**.
* Designing and developing **Restful API**and services using best practices to interact within the **micro services**and with the front end. Using **spring MVC**and **spring rest.**
* Worked on Agile, Scrum development methodology and built the application with Test Driven Development (TDD). Implemented event handling using Java and JavaScript.
* Implemented Spring MVC, Dependency Injection (DI), Aspect Oriented Programming and Spring Boot features along with spring data.
* Responsible for the development of web applications and scripts utilizing JavaScript, HTML, PHP and MySQL.
* Worked on Google cloud platform (GCP) services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager.
* Used for Devops in Windows-based systems.
* Develop quality code adhering to Scala coding Standards and best practices.
* Implemented Business logic in the middle-tier using Java classes, Java beans.
* Designed and developed various Web forms using HTML, CSS, Bootstrap, JavaScript and JSPs.
* Participated in frontend development using HTML, CSS, JavaScript, angular7/8.
* Developed UI screens with Angularjs7/8, Bootstrap to provide interactive screens to display dynamic data.
* Developed Single page applications using Angular JS7/8.
* Developed Stored Procedures using Oracle, DDL and DML statements, functions, triggers while interacting with Databases.
* Exposed RESTful web services using http4s.
* Support and Deployed the Services onto the OpenShift PODS and tested end-to-end application
* Used Apigee as an API gateway for APIs transformation, multiple authentication mechanisms.
* WebLogic Portal was used to develop an online portal for the project.
* Created RFP Micro service to provide RESTful API utilizing Spring Boot with Microservices.
* Designing and developing Restful API and services using best practices to interact within the Microservices and with the front end. Using spring MVC and spring rest.
* Used log4j for tracking errors and debugging the code.
* Used SPLUNK tools for logs analysis and created alters in Splunk if the errors reached specific threshold count. Used IBM ILOG JRules for the business trigger.
* Developed internationalized multi-tenant SaaS solutions with responsive UI's using Java or React or AngularJS, with NodeJS and CSS.
* Performing Regression test using automated testing tool QTP, Fitness and Selenium.
* Implemented email and SSO integration using NodeJS for backend and Angular.js in frontend.
* Experienced in creating offline interactive forms, online interactive forms, static forms, and dynamic forms.
* Experienced in consuming Web services to pre-populate interactive forms.
* Support and Deployed the Services onto the OpenShift and tested end-to-end application
* Created RESTful web services interface to Java-based runtime engine.
* Developed backend dealer database with JSON format and MongoDB.
* Used CI/CD tool like Jenkins to automate builds and deployments
* Closely worked with the QA team for testing and resolve bugs in the application.
* Environment, utilizing Kubernetes and Docker for the runtime environment for the **CI/CD**system to build and test and deploy
* Used Kubernetes to deploy scale, load balance, scale and manage docker containers with multiple names spaced versions.
* Implemented Kubernetes to deploy scale, load balance, scale and manage docker containers with multiple names spaced versions.
* Implemented a production ready, load balanced, highly available, fault tolerant Kubernetes infrastructure.
* Used Natural Language Processing (NLP) to pre-process the data, determine the number of words and topics in the emails and form cluster of words.

**Environment: Core Java, Spring MVC, Hibernate, Multi-Threading JAVA 13, J2EE, JSP, Servlets, JDBC, PL/SQL, HTML, Angular Js 8 WebLogic 12.1.3, Eclipse, CVS, JUnit, Log4J, Restful Web Services using Microservices architecture, IBM ILOG JRules, AWS Cloud, API, Nodejs, PHP, Selenium, Kubernetes, Elastic Search, Scala 2.10/2.11, Bitbucket, *PostgreSQL* 9.4, Mongo dB, Micro services, AWS, GCP, JavaScript.**

BCBS – Chicago, IL Dec 2019 – July 2020

*Senior Java/J2EE Developer*

* Participated in SCRUM meeting, grooming session and Gave points for user stories.
* Worked on design and development claim adjudication system.
* Supported contract load in bd core application in pre prod and prod environment.
* Supported bd production application Verification last weekend (Dat file deploy to prod and verification of the Bd app after prod deploy).
* Used React props to pass data through different components and from Redux store to React components.
* Designing and developing Restful API and services using best practices to interact within the micro services and with the front end. Using spring MVC and spring rest.
* Maintained Interface compatibility and concurrency in the project using Java 8 new features like default, static methods and Concurrency APIActively participated in code merge – GitHub and GitBash.
* Implemented Business logic in the middle-tier using Java classes, Java beans.
* Created and consumed Microservices based on Web API.Worked on creating SLA and version updates in pom file
* Manage datasets using Panda data frames and MySQL, queried MYSQL database queries from python using Python-MySQL connector and MySQL dB package to retrieve information.
* Developed Spark Applications by using Scala, Java8 and Implemented Apache Spark data processing project to handle data from various RDBMS and Streaming sources.
* Involved in developing Restful Web Services using Scala/Java, Play, Http4s, Spray, Akka and Lift.
* Experience in developing Microservices with Spring boot using Java and Akka framework using Scala
* Implemented method and process by using GitHub and Jenkins for application standpoint.
* Involved in Developing the new process of using mavenized rules and its integration with Bd core.
* Participated in Contract Dat file verification, NCCT data load process, WAS, WMQ and Grace period notification job. Involved in implementing the code, Fixing QA defect rose on JIRA.
* Implemented the real time data analytics pipeline as part of Enterprise messaging pattern while using Kafka and spark streaming.
* Experience in writing the HTTP RESTful Web services and SOAP API's in Golang
* Used SonarQube for analyzing the source code to find out if there any potential bugs in the code.
* Solid on PHP coding, code and performance optimizations, debugging and unit testing.
* Extensively used NodeJS on front end (used namespaces, closures and custom bindings).
* Implemented databinding using NODEJS for front-end development of a current web application.
* Used JavaScript and AJAX to query the Elastic search indices, format and display the JSON results in a web page using HTML and CSS
* Utilize Cloud formation and **puppet**by creating Devops processes for consistent and reliable deployment methodology.
* Selecting the appropriate AWS service based on compute, data, or security requirements.
* Involved in writing Java API for Amazon Lambda to manage some of the AWS services.
* Support and Deployed the Services onto the OpenShift and tested end-to-end application
* Developed AngularJS/8 Single Page Application consuming JSON data from Restful services.
* Used Java 8 Method References feature to point to methods by their names and used functional Interfaces. Experience with and solid understanding of Microservices.
* Worked on Natural Language pipeline to structure text from various sources.
* Design coded and tested key modules of the project using java oops concepts, JSP.
* Created web-based calculators using PHP, jQuery, and Ajax to show return on investment and savings.
* Docker has been Core to this experience, along with Kubernetes
* Container management using Docker by writing Docker files and set up the automated build on Docker HUB and installed and configured Kubernetes.
* Involved in Big data requirement analysis, develop and design solutions for ETL and Business Intelligence platforms.
* Used Elastic search as the data indexer and query parser

**Environment: Core Java, Eclipse, JRules, SonarQube, JAVA, WebSphere, JDBC, RAD 9.2, NetBeans, JIRA, JavaScript, Maven, GIT, JAZZ, JAVA 8, Microservices, Angular7/8, AWS Cloud, API, Linux, NLP,Nodejs, PHP, Kubernetes, ETL, Elastic Search,Scala 2.10/2.11, Golang.**

WAYFIAR-Boston ma May 2018 – Nov 2019

*Senior Java / J2EE Developer*

* Working with internal ecommerce teams to collect java application requirements for website functionality.
* Debug and troubleshoot ecommerce website application issues.
* Agile/SCRUM was used as the project management methodology.
* Implemented a production ready, load balanced, highly available, fault tolerant Kubernetes infrastructure.
* Work directly with clients and partners to provide technical guidance of enterprise-level ecommerce platforms.
* Developed Python web services for processing JSON and interfacing with the Data layer.
* Analyzing various logs that are been generating and predicting/forecasting next occurrence of event with various Python libraries.
* Involved in the Web/Application development using Python 3.5, HTML5, CSS3, AJAX, JSON and jQuery.
* Using GO, developed a microservice for reading large volume of data (millions) from PostgreSQL database.
* Experience writing data APIs and multi-server applications to meet product needs using Golang.
* Strong working knowledge in developing Restful webservices and Micro Services using Golang.
* Have created several web-services on both SOAP and REST, which is used by other e-commerce-based application.
* Used JQuery to make the frontend components interact with the JavaScript functions to add dynamism to the web pages at the client side.
* Developed web applications using Spring MVC, jQuery, HTML5, Bootstrap
* Created of interface to manage user menu and Bulk update of Attributes using JS, EXTJS and JQUERY
* Developed web presentation layer using jQuery, HTML and CSS according to internal standards and guidelines.
* Implemented Ajax with jQuery to refresh results from Ajax page.
* Designed and developed user interfaces using JSP, HTML, JSON, jQuery and CSS
* Used Dojo for the client-side development and validations
* Developed the UI panels using JSF, XHTML, CSS, DOJO and jQuery.
* Worked on front-end validation through JavaScript and back-end validation using Spring Validation Classes
* Designed and implemented Java engine and API to perform direct calls from font-end JavaScript, Ext JS to server-side Java methods Ext Direct.
* Developed Web tier by using Struts, JSP, Ajax and Html.
* Developed new RESTful API services that work as a middleware between our application and third-party APIs that we will used using Golang.
* Developed CI/CD system with Jenkins on Google's Kubernetes container
* Implementation of Web Design based on CSS3, HTML5, and Bootstrap Front-End Framework.
* Developed drag and drop functionality using AJAX and Tile framework in Struts.
* Used JavaScript for developing UI Components like Editable drop down, data-driven menu customizations.

**Environment: Java, Python, JavaScript, Golang, Kubernetes, Microservices, Agile, HTML, JSON, jQuery, CSS, Ajax, JSP, Spring MVC Rest API, ATG e-commerce.**

Merkle – Marlborough, MA Apr 2016 – Apr 2018

*Java / J2EE Developer*

* Participated in Agile Scrum meetings for requirement gatherings and product development.
* Involved in designing phase of the project once the requirements are freezed using UML diagrams.
* Developed lot of reusable components and utility classes in core Java, created multiple abstract classes and interfaces to abstract the underlined details from end user
* Worked extensively on core java concepts like Multithreading, concurrency framework and java collections
* Implemented presentation layer using Spring MVC and angularJS4.
* Implemented Spring MVC, Dependency Injection (DI), Aspect Oriented Programming and Spring Boot features along with spring data.
* Used spring framework to interact with service and DAO layers.
* Involved in development of data abstraction layer using Hibernate ORM framework with Spring support, and JDBC driven components. Used Maven to build all project modules.
* Experienced in Configuration Management, Cloud Infrastructure, and Automation like OpenStack, Jenkins, SVN, and GitHub.
* Used perforce version control system to manage source code.
* Used IBMODM rule engine to perform validations on the business objects.
* Worked on data migration from excel to database using apache POI libraries.
* Developed REST web services to upload a file through web service.
* Participated in frontend development using HTML, CSS, JavaScript, angular JS.
* Developed UI screens with AngularJS, Bootstrap to provide interactive screens to display dynamic data.
* Design and developed dynamic pages using HTML and PHP
* Integrating REST web services PHP-based API's into the site.
* NodeJS is been used for developing I/O intensive web applications like, single-page application.
* Optimized Microservices using NodeJS
* Writing Ajax calls to populate data on the UI pages and load pages dynamically.
* Developed Single page applications using AngularJS.
* Developed unit test cases to test spring services using Junit and Mockito framework.
* Developed stored procedures, triggers and functions using Oracle and Derby database.
* Hands on experience in using SQL developer and Squirrel client.
* API documentation using UML &PlantUML Implementing Microservices in Spring.
* Enhanced Test cases using Java programming features and TestNG Annotations.
* Deployed and tested the application using the apache tomcat server.
* Hand on experience in SVN version control. Implemented logging using Log4j.
* Involved in CI/CD configuration using Jenkins to set build for Demos and live environment and if required Schedule Jenkins Jobs.
* Use of **Docker**and **Kubernetes**to manage micro services for development of continuous integration and continuous delivery.
* Responsible for performance testing, unit testing and integration testing using CI/CD tool Jenkins, handling change requests and code reviews.
* Used mongoose library for MongoDB CRUD operations.
* Scala Mock for Unit Testing code behavior and Sonar cube for code coverage for unit tests.
* Worked with Elastic Search and utilized NOSQL for non-relation data storage and retrieval.

**Environment:Java, Spring MVC, Hibernate, Oracle, Angular Js/4, Servlets, JDBC, PL/SQL, HTML, Apache Tomcat, Eclipse, CVS, JUnit, Log4J, HPQC ALM, IBM ILOG JRules, API, Micro services, Nodejs, PHP, Elastic Search, Scala.**

Legg Mason - Stamford, CT Dec 2014 – Mar 2016

*Java / J2EE Developer*

* Implemented complex pricing algorithms like Timed and Incremental algorithms to apply the charges for the customers. Experience in working with API Gateways.
* Implemented design patterns in Scala for the application.
* Experience in Object Oriented Design and Programming concepts in Python and Java.
* Implementing Microservices to communicate with each other across applications.
* Implemented the history functionality for the Pricing and Coding data changes.
* Performed front end validations using JavaScript.
* Used Java Servlets, JSPs, AJAX, XML, HTML and CSS for developing the Web component of the application.
* Used Spring Restful API to implement Restful Web Services, sent JSON data type between front-end and the middle-tier controller.
* Triggered the automation jobs using Jenkins to get the cucumber JSON reports.
* Developed the application using Spring framework that leverages model view layer (MVC) architecture.
* Deployed J2EE applications as war files on Resin/WebSphere application servers.
* Worked on Hibernate3x for mapping the java objects to relational database and SQL queries to fetch the data, insert and update the data from the database.
* Used Hibernate in data access layer to access and update information in the database.
* Involved in development of data abstraction layer using Hibernate ORM framework with Spring support, and JDBC driven components.
* Developed API Gateway using NodeJS and Used MongoDB as a Database for storing information.
* Used Node.js on the server side and to install necessary packages into the application.
* Optimized UML design using patterns like DAO, Factory, Service Locator and Business Delegate.
* Developed hibernate mapping files, to map database tables to java domain classes.
* Implemented and tested backup and recovery system for production environment.
* Eclipse IDE configured with Apache Tomcat was used in debugging and testing environment
* Created RESTful web services interface to Java-based runtime engine.
* Used JNDI for naming and directory services.
* Implemented Message Driven Bean Using JMS.
* Worked on unit testing and integration testing using JUnit.

**Environment: Core Java, Spring MVC, Hibernate, Oracle 10g, JAVA, J2EE, JSP, Servlets, JDBC, PL/SQL, HTML, Apache Tomcat, WebSphere, Eclipse, CVS, JUnit, Log4J, API, Microservices, Nodejs.**

Apollo Hospitals - India Jul 2012 – Aug 2014

*Java Developer*

* Responsibilities:
* Understanding the business requirements and create user stories as part of the Sprint, while following the Agile process of software development.
* Involved in designing phase of the project once the requirements freeze using UML diagrams.
* Implemented presentation layer using Spring MVC and JSP.
* Used Spring framework to interact with service and DAO layers.
* Used Maven to build all project modules.
* Developed the application using Spring framework that leverages model view layer (MVC) architecture.
* Used Jboss drools rule engine to perform validations on the business objects.
* Worked on data migration from excel to database using apache POI libraries.
* Developed REST webservices to upload a file through web service.
* Implemented the view layer using JSP, HTML, CSS, JavaScript, jQuery. Business layer using Spring (MVC) framework.
* Writing Ajax calls to populate data on the UI pages and load pages dynamically.
* Developed unit test cases to test spring services using Junit and Mockito framework.
* Developed stored procedures, triggers and functions using Oracle database.
* Hands on experience in using Sql developer.
* Deployed and tested the application using the apache tomcat server.
* Hand on experience in SVN version control.
* Implemented logging using Log4j.
* Responsible for performance testing, unit testing and integration testing, handling change requests and code reviews.

***Environment: Java 1.6, JEE, Multithreading, Spring, Apache POI, REST, Eclipse, UML, HTML4, JSP, CSS, Java Script, jQuery, PHP, XML, Jboss, drools, Log4j, MySQL, JUNIT and Mockito.***

EDUCATION

**Bachelor’s in computer science**

 JNTU-Hyderabad-India.

**Master’s in computer science**

University of Michigan-MI