**Prasanna Danappagari**

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**PROFESSIONAL SUMMARY:**

* Around **9 Years** of experience in analysis design development and implementation of software applications and in developing n-tier architecture-based solutions with distributed components and **internet/intranet** applications using **SDLC** methodologies.
* Solid experience in design and development of **web - based applications** using **HTML5, CSS3, JavaScript, Angular 14+, Node.JS, Bootstrap, AJAX, JSP,** Java Script libraries like **J Query & DOJO**.
* Strong experience in Angular **JS directives** and filters to make **SPA** better in functionality.
* Strong experience **in Spring Framework** modules such as **Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Boot, Spring Microservices, Spring REST, MQ, Spring Hystrix, Spring Eureka, Spring Ribbon, Spring Data JPA, Spring Cloud.**
* Experience of design and develop **Microservices, transform Monolithic architectures** into **Microservices** using opensource framework like **Spring Boot, pivotal cloud foundry and Spring Cloud Netflix**.
* Designing, developing, and maintaining data pipelines using **Apache Hive**, which is a data warehouse infrastructure built on top of **Hadoop**.
* Writing **HiveQL** queries to extract, transform, and load (ETL) data from various sources into the data warehouse.
* Experience in various **MVC architecture** development such as **Struts MVC** and **JSF 2.1**.
* Experience in using **Spring Data** main modules like **Spring Data-Commons, REST API, Apache Cassandra**, Key Value and Community modules like **Spring Data-Dynamo DB, Elastic search**.
* Experience in working with different operating systems like **Windows and UNIX/Linux.**
* Proficient in working with J2EE Technologies such as **Servlets, JSP, JSF, XML, JSTL, Java Beans, Spring JPA, Hibernate, Spring Hystrix, JAX-WS, JAX-RSs**.
* Writing clean, efficient, and maintainable **Python** code following best practices and coding standards.
* Good understanding and hands on experience in **Hibernate, Hibernate Query Language (HQL), Transactions, Exceptions, Java Message Serve (JMS).**
* Integrating **Python** applications with other systems and platforms as needed.
* Have very good pragmatic experience with **Big Data** technical skills like **SQL, No SQL (Hadoop, Spark**) and **Elastic Search.**
* Experience in Developing Applications Using **ORM Technologies such as JPA 2.1, Hibernate.**
* Hands on experience in deploying and configuration multi-tire Enterprise applications on various **Application servers** and **Web Servers** which includes **Apache Tomcat 8.0/9.0.1, Web logic Server 11g, Glassfish 4.1, JBoss, WebSphere 8.5.**
* Proficient in **SQL, PL/SQL** developed **Stored Procedures, Triggers, Functions, and Packages** besides writing **DDL, DML and Transaction** queries with development tools like **Rapid SQL.**
* Design and implement database schemas using **GraphQL** and **NoSQL databases** like Cassandra, DynamoDB.
* Experience in writing **stored procedures, creating views, joins and triggers** using **MS SQL Server**.
* Experience on **HBASE, Cassandra database** as part of Open-Source participation.
* Engineered and maintained highly secure and efficient **Kubernetes** infrastructure.
* Implemented unit testing by writing **Test plans, Test cases** and **Junit** testing during project.
* Good knowledge of **designing, deploying**, and operating highly available, scalable and fault tolerant systems using **Amazon Web Services (AWS) and Azure**.
* Extensive experience on **AWS (Amazon Web Services**) services like **EC2, VPC, Cloud Watch**, **Cloud Front, Cloud Formation, IAM, S3, Amazon RDS, Elastic ache, SNS, SQS.**
* Experience with Integrated Development Environment tools like **Eclipse, NetBeans, WebStorm** and implementation of version control tools like **GIT, SVN, CVS, Clear Case**.
* Experience in writing application by using Build tools such as **Maven, Ant, Gradle** and deploying them on servers and J**enkins** for continuous integration development.

**TECHNICAL SKILLS:**

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| **Programming Languages:** | Java 1.7/1.8, Python SQL, PL/SQL |
| **Java Frameworks:** | Spring MVC, Struts 2.0/4.0, JSF |
| **Application/Web Servers:** | WebLogic, IBM WebSphere, JBoss, Tomcat 8.0 |
| **ORM Frameworks:** | Hibernate, JSF, IBATIS |
| **Web Technologies:** | HTML5, CSS3, Bootstrap, JavaScript, ExpressJS, TypeScript, AngularJS 1.x, Angular 7/2. |
| **Spring Framework:** | Spring IOC, Spring Batch, Spring Boot, Spring Security, Spring Hystrix, Spring Heroku, Spring Zuul, Spring Data JPA, Spring Cloud, Spring Eureka, Spring Ribbon. |
| **AWS Skills:** | EC2, S3, RDS, EBS, IAM,Route53, DBA, Dynamo DB. |
| **Database Server:** | Oracle 8i/9i/10g/11G,Hive DB2,NoSQL, SQL Server 2005/2008, MySQL, PL/SQL, MongoDB, Big Data. |
| **Web Services:** | REST, SOAP, JAX-WS, JAX-RPC, JAX-RS, WSDL |
| **Version Control:** | GIT, CVS, SVN |
| **Operating System:** | Windows, Linux, UNIX |
| **Tools:** | Apache Camel, ESB,ETL, cucumber, RedHat BPM |
| **Testing:** | Junit, Jasmine, Karma, Protractor, Selenium |

**PROFESSIONAL EXPERIENCE**

**Cigna Health Insurance – NY Aug 2022 – Till Date**

**Sr. Java Fullstack Developer**

**Description:**

Health Insurance Project seeks to improve and strengthen public and private health insurance systems. It assists in creating solutions for new policy, regulatory, and implementation issues that prevent public from having access to high-quality, effective healthcare to the patients and paperless communication.

**Responsibilities:**

* Involved in all phases of the Software development life cycle (SDLC) using **Agile Methodology** for iterative development of the application, designed use case diagrams, class diagrams, and sequence diagrams as a part of Design Phase.
* Using **Spring Boot**, I created an architecture geared toward a Microservices approach using **RESTful Web Services.**
* Written and maintain automated test scripts for different test scenarios.
* Using **Selenium WebDriver** and Java, I built a reliable automation framework that offered reporting, logging, and database validations, creating **TestNG** test cases and test suites to test functionality.
* Analyzed requirements and identify test scenarios for automation.
* Typically provides endpoints for **OAuth** flows like authorization code flow, implicit flow, client credentials flow, etc.
* Collaborated with developers to understand application changes and update tests accordingly.
* Executed GraphQL queries and mutations from the client-side application.
* Good experience with **AuthZ**/Authentication/Authorization to the different environments.
* Used **Azure functions** to integrate applications and run backend process according to schedules without provisioning/managing servers.
* Continuously improved testing processes and frameworks
* Proficiency in cloud-based **DevOps** practices, specifically in **OpenShift**.
* Designed and developed the Presentation layer using **Angular** 7 and Angular Material in writing the front-end code for the application using Angular 8+.
* Involved in building a high efficiency Dynamic single and multiple Web Application Using **Bootstrap**.
* Automated the process of configuring property files and **JDBC** related settings on WebLogic server during deployment using **WLST scripts.**
* Created various Angular directives, controllers, DOM expressions, templates, data binding etc.
* Integrated Spring Boot Microservices with **Apache Kafka** for Asynchronous messaging.
* Wrote services to interact with backend and consume the **JSON** using RxJs Observables.
* Experience with **Postman Collections**, **Swagger**, OpenAPI, and other common formats for organizing and functionally testing REST APIs.
* Migrating existing application into REST based Microservices to provide the **CRUD** capabilities using Spring Boot.
* Connect the **GraphQL** server to various data sources (databases, **REST APIs**) to resolve queries and mutations.
* Implemented **Authentication & Authorization** with Site Minder and spring security.
* Used Micro services architecture with Spring Boot based services interacting through a combination of REST and **Apache Kafka message brokers**.
* Configured **Hibernate session factory** to integrate Hibernate with spring and used JPA/Hibernate to communicate with data layer and **XML** to read XML data.
* Hands on experience with **MongoDB, CosmosDB** Installation, Configuring, Monitoring and Designing.
* Implemented Micro Services based Cloud Architecture on AWS Platform.
* Extensive experience in **postman testing** tool and also tracing the logs in **sumlogic** and **splunk.**
* Integrated Spring Cloud with Amazon Web Services to interact with AWS provided services.
* Used road map to migrate the rules developed in **iLog** to JBoss BRMS(Drools).
* Analyzing bugs, production problem and assigning it to offshore team members.
* Designed and developed interface to integrate the drools and coexist the drools and iLog.
* Used Jenkins for continuous integration (CI) and continuous deployment (CD).
* Used Apache Maven as the software build tool and **Log4J** for logging errors and messages.
* Used Maven as build and dependency management tool for creating EAR, WAR and JAR file to be deployed in application servers and integrated with **Jenkins**, and Jenkins Jobs.

**Environment:** **JDK 1.8, HTML5, CSS3, Bootstrap, Spring 4.0, Spring Hystrix, Spring Boot, Spring Data, Kafka topic, Hibernate 4.2, Oracle 11g, Microservices, Jboss, GraphQL, Azure, Application Server, Websphere 8.0, JUnit, Log4j, JSON, REST, Jenkins, Spark, MQ, AWS (Amazon Web Service), Jira, Docker, Drools, MongoDB, GIT, postman, IntelliJ, sumologic, Kubernetes, Swagger, splunk.**

**UPS – GA (Offshore) Jun 2021 – April 2022**

**Sr. Java AWS Developer**

**Responsibilities:**

* Involved in requirement gathering and technical design meetings.
* Involved in Daily Standup Meetings, Sprint Planning and Backlog Grooming for Agile Scrum Process.
* Developed User Interface application modules using **HTML5**, **CSS3** and **JavaScript**, **JSON, jQuery** and **AJAX**.
* Used Micro service architecture with Spring Boot-based services interacting through a combination of **REST API** and **Apache Kafka** message brokers. Worked with **Kafka Cluster** using **Zookeeper** from JMS as messaging service.
* Proficient in filtering data by using APIs before displaying in the browser using **AngularJS**.
* Developed **RES**T services to talk with adapter classes and exposed them too front-end.
* Involved in injecting dependencies into code using spring core module concepts like **IOC** (Inversion of Control) of Spring Framework.
* Developed **Spark applications** using multiple programming languages such as Python and Scala.
* Used Docker, Spring Boot, JBOSS, Azure, **Cassandra.**
* Deployed Microservices/Cloud Native Apps in Pivotal Cloud Foundry (Paas).
* Implemented the Spring Restful Template to retrieve the data from the other system using JSON.
* Worked with advanced MVC framework such as **Spring-IOC**, **AOP** (Aspect Oriented Programming), MVC and Batch which is used for implementing backend functionality.
* Worked on creating batch jobs using Autosys as job scheduler and technologies like **SQL invoker**, Unix Shell scripting and Java 11.
* Worked on Restful web services which enforced a stateless client server and support JSON (few changes from SOAP to RESTFUL Technology). Involved in detailed analysis based on the documents.
* Deployed Docker contained SpringBoot Microservices into **AWS EC2 container** service using AWS admin console and used lambda to run applications in AWS console.
* Experience on Web servers such as IBM Websphere 7.0, Tomcat 5.x and Apache Http Server Developed Spring Boot REST Microservices, **Dockerized Containers** and deployed into AWS EC2 instances.
* Deployed applications on Azure by using **AppDynamics.**
* Worked with Mocking while running JUnit test cases for batch processing.
* Integrated **Log4j** framework into the Application.
* Used Maven for building and added lot of external dependencies.
* Implemented bamboo for **Continuous** **Integration** Builds and Notifications.
* Implemented Jenkins and connected it to **Bitbucket** and **Jira**.

**Environment: J2EE, HTML, CSS3, JavaScript, Ajax, Terraform, Angular JS, Multithreading, Websphere 7.0, JSP, JDBC, JNDI, Maven, Xml, Hibernate,spark, Spring, GraphQL SpringBoot, Microservices, Spring Restful, Spring Cloud, Azure, PCF, Log4j, DB2, WebLogic 10.3, Eclipse IDE, UNIX, JUnit, Scala, Bamboo, Bitbucket, Jenkins, Jira, Soap, Restful.**

**Bristol Myers Squibb / Accenture – Banglore, India Jul 2019 - May 2021**

**Fullstack Developer**

**Description:**

In order to ensure that all patients can access high-quality healthcare regardless of who they are or where they reside, we work on this project from end to end for the requirements of the client that shows the effectiveness of health system strengthening and community.

**Responsibilities:**

* Driving the technical design of the application by collecting requirements from the Functional Unit in the design phase of SDLC.
* Developed the framework based on **SpringBoot** and Jax-RS for web services.
* Used JBoss application server deployment.
* Configured spring to manage Action classes and set their dependencies in a Spring context file and integrated middle tier with spring.
* Core Java such as **multithreading, Collection, Synchronization, Exception Handling** and **Arrays** concepts to develop and application implementations.
* Used Spring Boot, which is radically faster in building cloud **Microservices** and develop Spring based application with very less configuration.
* Develop User Interface Screens for presentation using **Angular 4**, **HTML** and **Java Script**.
* Used **JPA** Persistence Strategy to interact with database.
* Implemented and designed **AWS** virtual servers by Ansible roles to ensure deployment of web applications Used DAO pattern to retrieve the data from database.
* Modified existing **Shell scripts** in Unix to call daily sub routines.
* Code review, review its effectiveness, defect tracking, defect solving.
* Used RESTful web services for transmission of large blocks of **XML** data over HTTP.
* Worked on JSF implementation of MVC pattern by using its Custom Tag Library, UI Components Server-side Helper Classes, Validators, Event Handlers and Navigation Handlers.
* Primarily focused on the spring components such as **Dispatcher Servlets**, **Controllers**, **Model and View** Objects.
* Followed Agile Methodology (SCRUM) to satisfy the customers and wrote **JUnit** test cases for unit testing the integration layer.
* Configured **Kafka** to handle real time data Implemented the application following the J2EE best practices and patterns like Singleton, Factory Spring MVC and DAO.
* Used AWS Cloud Formation Templates to simplify provisioning and management on AWS.
* Developed ORM mappings using **Hibernate** and wrote criteria, named and HQL queries for data retrievals in the DAO layer.

**Environment: Java 1.7/1.8, Jboss7, Web services (Restful), Oracle 10g, Core Java, Collections, Spring MVC, Angular 2/4, JavaScript, Maven, IntelliJ, Subversion, Junit, log4j.**

**QualEx – Hyderabad, India Jun 2017 – Jun 2019**

**Java/J2EE Developer**

**Responsibilities**

* Involved in analysis, design & development of e-bill payment system as well as account transfer system and developed specs that include **Use Cases, Class Diagrams, Sequence Diagrams and Activity Diagrams**.
* Implemented **React JS** Controllers to maintain each view data where the client implemented the UI using ReactJS.
* Designed, developed and test **HTML, CSS, ES6, jQuery** and **Redux** that meets accessibility of web browser
* Published and consumed Web Services using **SOAP, WSDL** and deploye**DB2 database**d it on WebLogic server Web Server.
* Worked in using **ReactJS** components, Forms, Events, Keys, Router, Animations and Flux concept.
* Used Microservices architecture, with Spring Boot-based services interacting through a combination of **REST** and **Spring Boot**.
* Proficiency in cloud-based **DevOps** practices, specifically in Terraform, OpenShift.
* Developed User Experience Model containing Screens, navigation maps and use cases.
* Developed **Sequence**, **Collaboration** and **Activity diagrams** using UML.
* Developed web pages using **JSP**, **Struts** tags.
* Developed the web application using Struts **MVC**.
* Used J**avaScript** for Client-Side Validation.
* Developed Action Classes for **Struts framework** and implemented java classes for corresponding Strut Actions.
* Created SQL queries and procedures for **MS SQL** Server database.

**Environment: Java, Java Script, ReactJS, JSON, Spring, HTML, JSP, Terraform Struts 1.1, HTML, JSP, Struts 1.1, REST**

**Honeywell – Hyderabad, India Sep 2015 – May 2017**

**Jr. Java Developer**

**Responsibilities**

* Developed Single Page Web Applications (SPA) by consuming **RESTful Web Services**.
* Application was built on **MVC** architecture with **JSP, CSS, HTML** and DHTML acting as presentation layer, Struts framework as business layer.
* Developed user interfaces for policy owner module using **JSPs**, Struts Tag Library, and Tiles framework.
* Developed necessary **DAO**s (Data Access Objects) for policy owner module.
* Performed client side and server-side validations using Struts validations. Created Action Form beans and performed validation by configuring the **Struts Validator**.
* Started as a monolithic application that runs on **Jboss,** later migrated it into a set of Spring boot and NodeJS, Microservices
* Used config-server options of PCF for maintaining application properties pertaining to each environment and enable communication via cloud.
* Used **SQL** statements and procedures to fetch the data from the database.
* Used Dispatch Action to group related actions into a single class.
* Developed Business tier and Presentation tier using **Struts, JSP**. Coding using **JSP, HTML,** and **CSS** JavaScript for validation, Servlets using STRUTS framework**, JDBC**.
* Wrote **JDBC** classes to interact with Database.
* Created database tables for the application on a .
* Build the applications using ANT tool and used Eclipse as the IDE.
* Actively involved in testing, debugging and deployment of the application on WebLogic Application server. Developed test cases and performed unit testing using JUnit.

**Environment: Java, J2EE, Java SE 6, Struts 2.0/ 2.3, NodeJS, Terraform, JUnit, Eclipse IDE, Struts 1.1, Tiles, HTML, Microservices, CSS, JSP, JavaScript, DAO, Eclipse, WebLogic, UML.**