**KRISHNA A**

**Full Stack Java Developer**

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* **6+ years** of experience as a **Java/J2EE** developer in Software Analysis, Design, Development, Implementation and Testing on Application Development using **SDLC** with various methodologies like **Waterfall**, **Agile**/**Scrum.**
* Extensively worked on **Core Java** concepts like **Collection Framework, Multi-Threading, Synchronization and Exception Handling.**
* Deep understanding of Object-Oriented Design and proficient in implementing codes using Java for Design Patterns: **Singleton, Factory, Abstract Factory, Facade, Observer and Adapter.**
* Developed web applications by implementing Model View Control (MVC) architecture using **JSTL and JSP** pages that interact with **Servlets 3.x** and **JMS.**
* Experience in working with various **Spring modules (Spring** Core, **Spring MVC**, **DAO, AOP, JDBC**) along with the **Hibernate as the back-end tool** for mapping of **POJO classes** and implementing **DAO** layers using JPA standards and Hibernate **API** interfaces.
* Experience in development and deployment of JAVA/J2EE web components on IBM **Web Sphere** Application Server and **Portal Server**, Oracle **Web Logic** Application server 10.3.2 and **JBoss** Application Server 4.3.
* Proficient in integration of **Enterprise Java Beans (EJB)** with existing applications and using services provided in distributed applications through **Web Services (JAX-RPC, JAX-WS, JAX-RS) and RMI**.
* Worked on **SOA Web Services** using **SOAP** with **JAX-WS, RESTful with JAX-RS** for transmission of large blocks of **XML/JSON data over HTTP**.
* Experienced in designing **n-tier Enterprise** application with **J2EE** design patterns such as **MVC, Business** **Delegate, Session Facade, Service Locator and Singleton.**
* Developed Web applications using technologies such as **JSF, JSP, Spring, HTML, JavaScript, jQuery, AJAX, JSON and CSS.**
* **Strong Experience on developing SPA using Angular** **JS** and strongly expertise in **Angular Js controllers**, **directives, factory and service resources, routings and events.**
* Experience on working with **CSS Background, CSS Layouts, CSS positioning, CSS text, CSS border, CSS margin, CSS padding, CSS table, Pseudo classes, Pseudo elements and CSS behaviors in CSS.**
* Experience in building web applications using Spring framework features like **MVC, AOP, IOC, DAO and Template classes**. Worked on **Spring AOP for Logging, Transactions and Messaging.**
* Used **Spring** **Boot** to develop **REST API’s** using **Micro-Services** architecture.
* Experience in **Struts**, **Spring IOC, Spring MVC, Spring Data, Spring Boot, Spring Security** and other spring frameworks implementation and integration.
* Good experience using **Docker** for **installing**, **upgrading**, **testing**, removing, and **running software applications**. Good understanding of **OpenShift platform** in managing **Docker Containers** and **Kubernetes Clusters**. Experienced with building **Docker Images** and running those images into the **Docker container.**
* Proficient in using **RDBMS concepts** with **Oracle 10g/11g, MySQL and experienced in writing SQL, PL/SQL Stored procedures.**
* Made use of **Apache Kafka**, **Active MQ, Rabbit MQ, IBM MQ** as a **Message Oriented Middleware** for coordinating applications. Used **Micro service architecture with Spring Boot** based services interacting through a combination of **REST and Apache Kafka message brokers**. Worked with **Kafka Cluster using Zookeeper.**
* Developed Web application using **RESTFUL web services** and responses are in XML, JSON format.
* Strong experience in configuring and deploying web Applications using different web/application servers such as **Web Logic 12.x, WebSphere 8.x, JBoss 5/4, and Apache Tomcat 8/7/6.**
* Proficient in programming by using the Integrated Development Environments such as **Eclipse**, **Net Beans, Spring Tool Suite**.
* Highly experienced in using **Junit, Mockito** for performing **unit testing framework** to gain confidence in the correctness of the code.
* Extensively used **Building tools** such as **Maven** **3.x**, **Gradle.**
* Expertise in doing unit testing using **Junit, Munit, Mockito & Power Mockito**
* **Strong communication and interpersonal skills** and a committed team player.

**Technical Skills:**

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| --- | --- |
| Languages | JAVA 8/7, C, C++, PL/SQL, Python, Unix shell Scripting. |
| Web Technologies | **HTML5, JavaScript, XML, CSS, AJAX, AngularJS, Angular5, jQuery, Multi-threading, Applets, AWT, JSON** |
| J2EE Technologies | **Servlets 3.0, JSP, JSTL, JMS, JDBC, Hibernate 4.x, Spring 4/3, JPA.** |
| Servers | **Apache Tomcat 8/7/6, WebLogic 12/11, WebSphere 8, JBoss 5/4, Oracle 11g/12c, Apache Camel.** |
| Databases | **MySQL 5, SQL Server 2008, Oracle 10g/11g/12c, PostgreSQL, MongoDB.** |
| Web Services | **JAX-WS, JAX-RPC, JAX-RS, REST, SOAP, XML Parser** |
| Debugging tools | **Firebug, Chrome** |
| DOM Methodologies | **Agile, RUP, TDD, SDLC** |
| Operating Systems | **Windows 10/8/7/XP, Unix.** |
| Development Tools | **Eclipse, IntelliJ, Visual Studio, STS, NetBeans.** |
| Building Tools | **Maven 3.x, Gradle.** |
| Testing Tools | **Junit 4/5, Munit, Mockito, Selenium, Cucumber.** |
| Frameworks & API’s  | **Structs, Spring Core, Spring MVC, Spring JDBC, Spring Boot, Hibernate 2.0/3.0/4.x, Spring Cloud, JSF, iBatis, Log4J, Node Js, NUMPY, Pandas** |
| Design Patterns | **Singleton, MVC, Factory, Session Façade, DAO, Business Delegate.** |
| Version Control Tools | **GIT, SVN, Bitbucket, Jira** |

**WORK EXPERIENCE:**

**Gilead Sciences, CA June 2019 – Present**

**Sr. Java/J2EE Developer**

**Responsibilities**:

* Responsible and active in the **analysis, definition, design, implementation, management, and deployment** of full software **development life cycle** of project.
* Implemented **Agile** – **SCRUM** methodology and **Test-Driven Development (TTD)** for the software development process and to produce high quality application.
* Used java concepts like **Collections**, **Generics**, **Exception** **handling**, **Concurrency** to develop business logic.
* Created and injected **Spring** services, **Spring** **controllers** and **DAOs** to achieve **dependency injection** and to wire objects of business classes.
* Manual Execution of Test Cases for **Functional Testing**, **GUI Testing**, **Regression Testing**, **Smoke testing.**
* Integrated **Spring MVC with Angular JS. Implemented Angular Service, Controllers and Models.**
* Used **Maven** and **Ant** **Scripts** in building the application and **auto deploying** it to the environment. Produced **RESTful** **Web** **Service** server with **spring**, set **JSON** data type between front-end and the service layer.
* Developed User Interface using **Spring**, **Servlets**, **JSP’s**, **JSTL** and business driven reusable custom tag libraries for the application and used **HTML5**, **CSS3**, **AngularJS** and **Node** **JS** for creating a single page web application.
* Worked with **NoSQL** **Cassandra** database for storing highly scalable form data and populated the data using **Kafka**.
* Developed user interface using **JSP** **with JavaBeans, JSTL and Custom Tag Libraries, JS, CSS, JQuery, Node.js,** **Angular Js,** and **HTML** to speed the application.
* Published **JAX-WS web service** where in all the requests will be routed to this **Single Point service** and based on the request, they are forwarded to the corresponding **legacy operations**.
* Used **IntelliJ** as IDE and deployed the into **JBoss 6.3 Application Server**. Also, used **Maven** build tool to achieve more functionality for build process.
* Experience with **Ansible playbooks, Ansible scripting and Ansible Tower** which is the entry point for **Ansible provisioning,** where the automation is defined through tasks using **YAML format**. **Run Ansible Scripts** to provision **Dev servers.**
* Experience in building **microservices** with the help of **Spring Boot** and developed **Spring based applications** with very **less configuration**.
* Expertise in developing UI based GUIs using **Java Applets, HTML5, DHTML, JavaScript, Typescript, AngularJS,** **Angular 2/4/5.**
* Developed **triggers** and **views** and wrote complex queries and **stored procedures** using **PL/SQL**.
* Configured **spring**to manage Actions as beans and set their dependencies in a context file and integrated middle tier with **Hibernate.**
* Designed and developed **asynchronous RESTful Microservices** using **Spring boot,** Couchbase that are consumed by other **microservices** with an average response time of 30 milliseconds.
* Used **Log4j** to capture the log that includes **runtime exception** and for **logging** info and are helpful in **debugging** the issues.
* Developed and optimized services using **NodeJS** and ES6 as interfaces to **Cassandra** **NoSQL** database.
* Developed views **using Bootstrap components, Angular-UI** and involved in **configuring routing** for various modules using **angular UI router.**
* Proficient in **MuleSoft** Any Point API platform on designing and implementing **Mule APIs**. Strong working knowledge on **API Gateway**.
* Worked on **Docker, creating Docker images** and **handling multiple images** primarily for **middleware installations and domain configurations.**
* Worked on **Kubernetes** **cluster** as a part of deployment activity. Familiar with **OpenShift** commands mainly for deployment.
* Used **Docker Container** to address every application across the **hybrid cloud and Docker** for better **collaboration and innovation**. Experienced with building **Docker Images and running those images into the Docker container**
* Experience in **Integration of Amazon Web Services AWS** with other applications infrastructure.
* Experience in developing application using **TDD (Test Driven Development) & Unit testing** process.
* Utilize **EBS** to store **persistent data and mitigate failure** by using snapshots.
* Worked with messaging systems like **Kafka**, Implemented **Spring Model View Controller (MVC) Architecture** and **coded Java Beans.** Used Micro service architecture with Spring Boot based services interacting through a combination of REST and Apache Kafka message brokers.
* Used **Ansible Playbooks** to manage **Web applications**, environment configuration **files, Users, Mount points, and Packages.** Customized **Ansible modules** for finding facts about **AWS Cloud watch alarms** and taking actions to manage those alarms during deployments.
* Experience in using **Jenkins for Continuous Integration and Sonar jobs** for java code quality.
* Application integration **using MuleSoft ESB and IBM Message Broker** for integrating the services.
* Experience in writing **ANT**, **Maven** **build scripts, logging facility using Log4j** and Writing **JUnit** test cases.
* Involved in unit testing and writing the **MUnit Test cases** for the flows.
* Involved in **Unit Testing** and **Bug-Fixing** and achieved the maximum code coverage using **JUNIT** test cases.
* We have tested our application in the **Docker** container provided by the **AWS** **ECS** service.

**Environment: Java/ J2EE 1.8, Spring, Hibernate, RESTful Web Services, JBoss 6.3, JSP, JSTL, HTML, CSS, AngularJS 1.5, 2.0, JSON, POJO, Oracle 11g, Maven, SOAP, MuleSoft, JIRA, Kafka, SVN, Log4j, .NET, JUnit, Mockito, GitHub, MUnit, Stash, Docker, AWS EC2, Kubernetes, Ansible, AWS ECS**

**PennyMac Loan Services, MO November 2018 - May 2019**

**Sr. Java Developer/Software Engineer**

**Responsibilities:**

* Used **Agile development methodology** during **designs, implementation, testing, and maintenance**.
* Involved in gathering business requirements, analyzing the project, creating **use cases** and Class Diagrams.
* Designed & developed **JSP pages** using **JSF, JSF CORE tags library, JSTL, HTML & CSS.**
* Developed front end using **Struts framework**, business components using s **EJB**. Prepared **EJB deployment descriptors using XML**
* Implemented various **J2EE Design patterns** like **Singleton, Service Locator, Business Delegate, and Transfer Object.**
* Using **clod** **Functions** to integrate applications and **run backend processes** according to **schedules without provisioning/managing servers.**
* Used **Java, JDBC, Servlets, JSP, JSTL** while enhancing the functionality and responsible for creating database tables on **Oracle DB**.
* Experience in spring’s **IOC, DI, JDBC and AOP and Spring’s integration** with **Apache Camel.**
* Coded different action classes in **struts** responsible for **maintaining deployment descriptors** like **struts-config, ejb-jar and web.xml using XML.**
* Evangelize **continuous integration** & delivery concepts and ideas within our product teams supporting **Continuous Delivery** and the resources required to delivery CI within.
* Hands on experience on configuration management by using **ansible and Chef.**
* Worked on business and data base layer using the **Spring, and Apache Camel frameworks.**
* Designed and developed **asynchronous** **RESTful** **Microservices** using **Spring boot**, **Couchbase** and **RXJava** that are consumed by other **microservices** with an average response time of 30 milliseconds.
* Experience in developing application in **Single Page (SPA’s)** using various **JavaScript frameworks** such as **Angular JS and React JS**.
* Development web service using **Windows Communication Foundation** and **.Net** to receive and process **XML files and deploy on Cloud Service on Microsoft Azure.**
* Responsible for coding **Oracle SQL Statements, Stored procedures, functions,** and triggers for back end communication using **JDBC**.
* **Azure Resource Manager (ARM)** provides **security, auditing, and tagging features** to help you manage your resources after deployment.
* Used **Kubernetes** to create new cluster and container management tool. Involved in deployment activities **CI/CD deployment**, Worked with **Jenkins Continuous Integration** and **Continuous Deployment (CI/CD).**
* Worked with **sessions for database** interaction with **MS SQL Server** implementing Persistence for data **storing** and **maintenance procedures**.
* Added dynamic functionality to the application by implementing **JQuery, Node JS.**
* Modularized **frontend CSS and JS code** with **Sass**. Built a real time **mouse/click user analytics web service** with **Node.js**
* Used **.NET Validate controls** for validating the information provided by the user and **implemented input validation using the ASP.NET** Input Validation Controls.
* Implemented **TFS**branching and merging operations for **.NET Source Code** in the Agile Development Methodologies.
* Developed **SOAP based Web Services** for Integrating with the **Enterprise Information System Tier.**
* Used **Tomcat web server** for deploying the web content and all code was written using **the Eclipse IDE**.
* Used **WebSphere** application Server in the production for **deploying the code**.
* Experience in migrating on premise to **Windows** using **Azure Site Recovery** and **Azure backups.**
* Used **Maven Builder** extensively for the code building and **smoke testing**.
* Hands-on experience in development of **Microservices**and deploying in **Docker**.
* Performed Unit testing, bug fixing in **multiple environments (DEV/TEST/STAG/PROD)** and reproduced **bugs for fixing and code review** of individual modules in the application.
* Used **JUnit framework** to perform Unit testing of the application.
* Used **OAUTH** for **authentication** and **authorization**.
* Used **SVN** as Version Control System.
* Extensively used **JUnit** for **unit testing, integration testing** and **production** **testing**.

**Environment: HTML, CSS, JavaScript, Eclipse Kepler, Apache Camel, Spring, Hibernate, SQL, .NET, WSDL, SOAP, SVN, Maven, Eclipse, JUnit, log4j, MS SQL Server 2012, WebSphere, EJB, Singleton, OAUTH, JIRA**

**Procter & Gamble, OH October 2017 - July 2018**

**Full Stack Developer**

**Responsibilities:**

* Translate business requirements into technical document by Interacting with Business Analysts and **Subject Matter Experts (SMEs)** to carefully understand business requirements.
* Involved in the requirement analysis, design and development of the application built in Java/J2EE using **Struts, JavaScript, JSP, AJAX, JDBC and Web Services with JAX-WS.**
* Used a **micro service** architecture, with **Spring Boot-based** services interacting through a combination of **REST** and **MQ** and leveraging **AWS**to build, test and deploy Identity **microservices.**
* Introduced **Couchbase Lite** on the client, and **Couchbase Server** on the server as **CouchDB**, respectively, Mongolite and MongoDB, etc. in other implementations.
* Contributed in design and development of **Struts MVC** web-based application
* Designed and developed User Interface of application modules using **HTML, CSS and JavaScript and AJAX**.
* Excellent understanding of java concepts like **multithreading and concurrency, Collection Framework, String, Exception handling**.
* Developed Web Service client interface with **JAX-WS from WSDL files** for invoking the methods using **SOAP** andDeployed the application using the **Web Logic as application server.**
* Worked on **client-server and web-based technology** using **J2EE, XML Technologies** also involved in the Product Development.
* Consumed **Web Services** for transferring data between different applications and Used **JAX-WS SOAP Web services** to retrieve credit history of the applicants.
* Involved in **coding, maintaining,** and administering **Servlets, and JSP** **components**.
* Deployment of **.ear files** and **.war** in **Apache Tomcat 6.0** application servers and **WebLogic** Application server.
* Worked on **Rest Web services** for backend services, used Couchbase**DB (NoSQL)**for database services.
* Involved in writing **JSP and JSF** **components**. Used **JSTL Tag library** (**Core, Logic, Nested, and Bean and Html table’s)** to create standard dynamic web pages.
* **Unit testing code**, reproducing, analyzing and fixing defects identified during **Quality Assurance process**.
* Designed and developed **Microservices business components** using **Spring Boot**.
* Provide **ANT build tool** for building and deploying the application onto the production boxes.
* Experience using **Spring** **Framework** modules like **Spring Core container for Dependency Injection, Application context, Spring ORM and POJO objects.**
* Excellent handle in **O/R mapping tools Ibatis and Hibernate.**
* Provided **Log4j support** for the application for **debugging** the system
* Effectively prepared for and organized **technical** **inspections to review code and design models** with peers and software architects.

**Environment: Java, J2EE, Struts, Servlets, JSP, Web Services, HTML, Unix, Java Script, Windows, SQL, JSP, JSTL unit testing, Spring Boot, DB2, AJAX, AWS, Docker, JQuery, Ant.**

**Hewlett Packard, CA June 2016 – September 2017**

**Java Developer**

**Responsibilities:**

* Involved in design, develop and implementation of the application using **Spring and j2EE framework**.
* Developed the application using **StrutsFramework** that leverages classical **Model View Layer (MVC)** architecture.
* Involved in implementation of modules related to file comparison received from clients using **Spring Framework**
* Inserted **DependencyInjection** between components using **Spring (IOC) concept**.
* Implemented **Asynchronous messaging** between components using **JMS**.
* Used **multithreading** in programming to improve overall performance using **Singleton design pattern in Hibernate Utility class.**
* Wrote **Stored Procedures** and complicated queries for IBM **DB2**.
* Implemented **SOAarchitecture** with **Web Services** using **SOAP, WSDL, UDDI** and **XML** using **CXF** **framework tool/Apache Commons.**
* Converted a **monolithic app to microservices architecture** using **Spring Boot** using 12-factor app methodology. **Deployed, Scaled, Configured**, wrote manifest file for various **Microservices.**
* Used **HibernateORMframework** and **SpringDAO** framework modules for backend communication with the rest of **Treasury application**.
* Create interactive websites and website features used **JavaScript (Jasmine**) and **JQuery/ JQuery UI**.
* **Design and develop web application** used **Spring Web Flow, spring, spring boot** and **AJAX** technology.
* Used Spring Framework modules for the configuration of application **components, security processes** and for supporting classes for **integration and unit tests** (**spring security**).
* Responsible for Development of **Hibernate**objects for data fetching for batch and front-end processing.
* Develop **Restful Microservices** used **Spring Rest** and **MVC**.
* Develop the **front-end** of the application using **HTML5, CSS3, SASS, JSP, JavaScript, AngularJS, applied advanced HTML, JavaScript** and to deliver **cutting-edge user interfaces** and components.
* Wrote **SPA (XML, JSON** and **Ajax**) used **RESTFUL** web services plus **Ajax** and **AngularJS**.
* Used **JSON (Selenium)** for the web service responses.
* Develop a unit-test framework by customizing spring’s **JUnit**.

**ENVIRONMENT: MVC, StrutsFramework, Spring, DI, Multithreading, DB2, SOA, CXF, Hibernate, SpringDAO, RESTFUL, CWS, Jasmine, JQuery, Spring Boot, AJAX, Microservices, JS, Angular JS, Selenium, JQuery UI, SASS, JSP, XML, JSON.**

**HSBC Bank, India June 2015 - May 2016**

**Java Developer**

**Responsibilities:**

* Involved in all the phases of **SDLC** including Requirements **Collection, Design & Analysis** of the Customer Specifications, Development & Customization of the Application.
* Developing **User Interface** and **implementing business** **process** using **JSP and Servlets**.
* Development of the application that was used to create **dynamic JSPs**, given input from a **database table** containing information about the contents of the **JSP** being developed.
* Involved in **development, coding and unit testing server pages using JSP** and Action Classes in **Struts** **Framework**
* Extensively used **JavaScript** to handle **client**-**side** **validations** and used **Struts validator** framework for **server-side** form validations.
* Developed **Templates** for page layout and **navigation** **using** **Tiles**.
* Coded different deployment descriptors using **XML**. Generated **Jar files** are deployed on **Apache Tomcat Server.**
* Involved in the development of **presentation layer** and **GUI framework** **in** **JSP**. **Client-Side validations** were done using **JavaScript**.
* Involved in **code reviews** and mentored the team in **resolving issues.**
* Participated in weekly **design reviews** and walkthroughs with project manager and **development teams**.
* Provide technical guidance to business analysts, **gather** **the** **requirements** and convert them into **technical specifications/artifacts** for developers to start.

**Environment: J2EE, JDBC, Java 1.4, Servlets, JSP, Struts, Hibernate, Web services, SOAP, Design Patterns, MVC, HTML, JavaScript 1.2, WebLogic 8.0, XML, JUnit, Oracle 10g, Web Sphere, My Eclipse.**

**Radiant Info Systems, India January 2014 – May 2015**

**Jr. Java Developer**

**Responsibilities:**

* Designed and developed the application with **single controller Servlet** architecture with advanced technologies.
* Used IBM **WSAD** to develop **Servlets, EJB’s, HTML, JSP** and deployed into **IBM WebSphere Application Server.**
* Developed **EJB Session Beans** to encapsulate **business logic** and are accessed by using Access **beans**.
* Developed **EJB Entity Beans** for persistence of data and written custom finder methods.
* Developed an option to export data from **Oracle database** to ExcelSheet.

**Environment: IBM WebSphere Application Server 5, WSAD, EJB, HTML, JSP, Servlets, Java Script, XML, XSL, JDBC, Sun Solaris.**

**EDUCATION: Master’s in Computer Science: Northwest Missouri State University.**