**SAI KRISHNA**

**Sr. Java Full Stack Developer**

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**Professional Summary:**

* Over **8+ years** of rich indigenous experience in designing, developing and testing of distributed applications, internet/intranet base database, **J2EE** and **SOA** compliant applications.
* Experienced in Java **Web-based, Desktop Based Development** **with Concepts of**, **Object Oriented Design** (OOD), **Object Oriented Analysis** (OOA), **Object Oriented Programming** (OOP) and its implementation.
* Experienced in implementing client-server business applications using **MVC**, **SOA** architecture and **Micro** **Services**.
* Experience in **Agile/Scrum, Pair Programming**,**Test Driven Development (TDD)** and **Waterfall model**.
* Hands on experience in **AWS** infrastructure on various resources **IAM, EBS,EMR**, Security Group and Auto Scaling in **Cloud Formation JSON** templates and some internet technologies including **TCP/IP** and **HTTP**.
* Producer API’s are exposed via proxy using **APIGEE**.
* Expertise in **Core java concepts** likeCollections, Generics, Multithreading, Serialization and Exception Handling.
* As a Java **Full stack SME** has expertise in developing Enterprise Applications using Java and J2EE technologies Such as **JSP**, **Servlets**, **Enterprise** **Java** **Beans**, **RESTful** **Web** **Services**, **SOAP** **Web** **Services**, **JDBC**, **JMS**, **JAXB**, **SOA**.
* Experienced in **Middleware persistence framework** like **Hibernate/JPA, JDBC, iBatis** for mapping Java POJO classes/Objects with database and using **Hibernate Query Language (HQL)**.
* Experience in apache **Hadoop** for storage part in **HDFS (Hadoop Distributed File System).**
* Experienced in front End technologies such as **HTML5, CSS3, JQuery**, **JavaScript, NodeJS, AngularJS, Bootstrap, Perl, AJAX, Action Script, JSON, XSD, XSTL, Tiles,Tag Libraries.**
* Strong knowledge of terminal CLI for creating web bundles by using Webpack and app configuration.
* Experience with developing the angular application from scratch using Angular-CLI.
* Experienced in developing an enterprise application by writing server side code with **NodeJS**.
* Experience in working with Service Oriented Architecture, which includes Universal Description and Discovery Integration (**UDDI**) lookups and Web Services Description Language (**WSDL**) using **SOAP** protocol.
* Expertise in **XML** technologies such as **DTD/Schemas, DOM, SAX** and **XSLT.**
* Extensively used different **Tag Libraries** like JSF Tags, Struts Tags, JSTL, Spring Tags, Display Tag,XML/XSD.
* Experienced in frameworks: **Spring MVC**, **Jakarta struts framework**, **JSF**, **spring** and **Hibernate**.
* Good knowledge in using Angular2/Angular4 factory and services for dependency injection, developed reusable components using Custom Directives in Angular JS.
* Started using Ionic 3 framework for mobile app development.
* Strong experience in **Spring Framework** including **Spring** **Core**/**IOC**, **Spring** **Security** and implement the authentication, authorization and access-control features by using **Spring** **Security**.
* Experienced in Working with **Spring JDBC Template**, **JMS Template**, **EMS**, **and Java** **Beans**.
* Developed applications using latest technologies like **EJB3.0, Spring2.x/3.x/4.x, Hibernate3.2/4.x, and REST based Web services (axis2.0, JAX WS 2.0), XML API and tools**.
* Proficient in taking care of web and application servers in making Domain, configuring connection pool, **JMS**, Deploying applications on **WebLogic**, **WebSphere**, **Apache** **Tomcat**, **Glassfish** and **JBoss**.
* Experienced in developing **UNIX** **shell scripts** for batch processing.
* Experienced in developing modern applications using **MEAN Stack**- MongoDB, ExpressJS, AngularJS and NodeJS.
* Experienced on ELK Stack (Elastic Search, Logstash and Kibana).
* Experienced in working with multiple databases like **Oracle 10g/11g**, **SQL Server**, **MySQL**, **DB2**, **NOSQL DB.**
* Worked on **Mule soft studio** with Sound knowledge on **Enterprise Service Bus**.
* Experienced in performing unit testing using **JUnit** framework with **Mockito** and **Easy** **mock**, integration and deployment of applications using tools such as **ANT** and **Maven** & debugging through **log4j**.
* Experienced in creating and updating Java test scripts using **Selenium** IDE and Selenium Web-driver.
* Experience in creating test suites using **Jasmine**, **Karma**.
* Involved in **BPM** (business process management) tools like **JBPM** and **Adobe LiveCycle.**
* Experience in using various **AWS** components like **EC2** for virtual servers, **S3** and **Glacier** for storing objects, **EBS**, **Cloud** **Front**, **Elastic** **cache**, **IAM**, **Cloud** **Watch**, **Cloud** **Formation** and **Dynamo** **DB**.
* Strong Knowledge in scripting technologies like **Python**, **Shell**, **Groovy** **on** **Grails** and **Perl**.
* Experienced in Development, testing and deployment of enterprise applications on **Windows** & **UNIX** platforms using IDE's such as **Eclipse**, **Rational Application Developer**, **NetBeans**, **Spring Tool Suite (STS),** **IntelliJ 14.x/15.x.**
* Experience in different version controlling/tracking systems **Subversion**, **CVS**, **SVN**, **GIT** **and Rational Clear Case**.
* Experience with messaging frameworks (ActiveMQ, RabbitMQ,Kafka).
* Good knowledge **of SAP-MM Module & MDM Principles**, Architecture.

**Technical Skills:**

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| **Languages** | Java 8.0/7.0/6.0/5.0, Java/J2EE, C, C++, Python, JDBC, DTD, UML, Design Patterns, Shell Scripts, SQL and PL/SQL |
| **Frameworks** | Spring 4.x/3.x/2.x, Hibernate 4.0/3.0, Struts 1.x/2.0, Django. |
| **Web Technologies** | HTML/XHTML/HTML5, CSS/CSS3, Servlets, JSPs, EJB, JNDI, JMS, XML, XSD, JSF, JQuery, Ajax, AngularJS, NodeJS, ExtJS, Bootstrap. |
| **Web/Application Servers** | Apache Tomcat 5.x/6.x/7.x/8.x, IBM WebSphere, BEA Web Logic 9.x/10.x/12.x, J-Boss 6.x/7.x, GlassFish, JMS, Apache Kafka. |
| **Cloud Environments** | Amazon EC2, Amazon S3, Amazon SimpleDB, Amazon RDS, Amazon Elastic Load Balancing, AWS Lambda, Amazon SQS, Amazon Identity and Access Management,PCF, AWS Cloud Watch, Amazon EBS, Amazon Cloud Front, Netflix Eureka, Kubernetes. |
| **IDE’s** | Eclipse, NetBeans, STS2.x/3.x, IBM -WSAD, RAD and Rational Rose, IntelliJ 14.x/15.x |
| **Database** | Oracle 11i/11g/10g/9i/8i, SQL Server, MySQL, Sybase 12.5, DB2, MongoDB and Cassandra |
| **Web Services** | AXIS, SOAP, RESTful, JAX-RPC, JAX-RS, JAX-WS, WSDL, JAX-P, JAX-B. |
| **Version Control** | JIRA, CVS, SVN, GitHub, Subversion and Clear Case |
| **Build Tool / plugin** | ANT, Log4j and Maven 3.x, Hudson 3.x, Jenkins 2.x. |
| **Testing Frameworks** | Junit, SOAP UI, Selenium, Jasmine, Karma, Protractor. |
| **Operating Systems** | Windows, Unix, Linux and MAC. |

**Work Experience:**

**Client: Ernst & Young, Alpharetta-GA September 2017 - Present**

**Role: Sr. Java Full Stack Developer**

**Responsibilities:**

* Interacted with the business analysts to gather the requirements, FSD for the requirements.
* Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing. Used **Agile** approaches, Including Test-Driven Development (**TDD**) and **Scrum**.
* Developed the multiple enterprise applications, which are developed using **Spring** **MVC** **framework**, **Hibernate** **framework**, **Prime** **faces**, **RESTFul** web services.
* Designed and developed UI using spring view component **HTML5, CSS3, Bootstrap, AngularJS**.
* Built custom **UI widgets, directives, filters** and Application logic using **AngularJS** **MVC** Architecture.
* Worked on custom directives and reusable components and based on the criteria implemented them on Angular 2 applications.
* Produced UI with Ionic Angular 2 Components and wrote IOS Cordova plugins appealing designs focused on usability, utility, UX, cross-browser compatibility and SEO / web standards.
* Worked with Angular 4 using Angular CLI and generated various components, routes, services, pipes and structured the application code using Component based architecture.
* Created TypeScript reusable components and services to consume REST API's using Component based architecture provided by Angular 2.0.
* Designed and developed the agent portal using framework AngularJS 2 along with HTML5, CSS3, and TypeScript.
* Used **Spring** and **Hibernate** for implementing **IOC**, **AOP** and **ORM** for back end tiers.
* Implemented **Hibernate Template** to great extent making use of **HQL**, **Named Parameters**, **Named Queries** and **interfaces** such as **Expression**, **Query** and **Criteria.**
* Used **Multithreading** and Concurrency and implemented threads while preparing and generating mails.
* Developed **Hibernate** with **Spring** **Integration** as the data abstraction to interact with the database of **MongoDB**.
* Used **Hibernate, object/relational-mapping (ORM)** solution and technique of mapping data representation from MVC model to Oracle Relational data model with SQL-based schema.
* Used a **Micro service** architecture, with **Spring Boot**-based services interacting through **REST** and **Apache Kafka**.
* Developed Micro services using **Spring** **Boot**, **Netflix** **OSS**, **Spring** **Cloud** and deploying to **AWS** **Cloud**.
* Deployed **Spring Boot** based micro services **Docker** container using **Amazon EC2** container services.
* Worked on **Spring Quartz** functionality for scheduling tasks such as generating monthly reports for customers.
* Implemented Pre Authentication and database security with **Site Minder and spring security.**
* Consumer **API’**s communicate to other services or API’s via APIGEE proxy, and some consumer’s use Rabbit MQ as a medium to delegate messages
* Created Stacks using Amazon Cloud Formation templates to launch **AWS** Infrastructure and resources. Used AWS Lambda to run the code in the **AWS**.
* Building search feature based on open source tool **Elastic** **Search**. Implemented system logging solution using **Elastic Search**.
* Installed and configured Elasticsearch with logstash ship of logs of three.
* Experience on **AWS** Deploying, managing and operating scalable, highly available, and fault tolerant systems and managed continuous delivery systems and methodologies on **AWS**.
* Worked on **API notebook** to explore APIs and for testing and improving these. Furthermore, used **API kit** to integrate APIs with other services on premise and on cloud.
* Used in-built market place services of **PCF** for RabbitMQ, MySQL config. Restful API’s are created to handle real-time request/response.
* Hosting Micro Services on **PCF** and **AWS** platforms.
* Created **RESTful** web services using **Spring** **RESTful** **API**,sending **JSON** data between Frontend, middletier Controller.
* Created proof of concept Data as A Service (**DaaS**) based **RESTful** (Jersey) web service which is connected to a **MongoDB** based data store running on Tomcat 8.
* Used J2EE design patterns like **Value Object Pattern, Service locator, Session facade, Singleton, Factory and DAO**.
* Deployed **TDD** through Unit, Integration and Performance Test Cases using **Junit** and **Selenium**. Used **SOAPUI** for testing web services.
* Performed deployment of applications on **WebSphere Application Server** Application Server.
* Built scripts using **ANT** and **MAVEN** build tools in Jenkins to move from one environment to other environments.
* Responsible for Configuring **Kafka** Consumer and Producer metrics to visualize the **Kafka** System performance.
* Designed and developed a project that reads messages from **Kafka** topic and applied conversation from JSON to pipe delimited String data format to be saved in **Oracle** **DB** and **NoSQL** **DB**.
* Developed database adapter, web services adapter, messaging adapter and custom workflow for non-oracle system using Camel and Implemented **Apache Camel** routes using Camel-Spring XML and Camel-Spring processor beans.
* Conducted **Performance tuning** including JVM tuning, **JMS** to the maximum throughput form Application server.
* Used Continuous delivery/ Continuous Integration tools **Docker**, **Jenkins** to deploy this application to **AWS** and used **GIT** for version control of code for incremental development.

**Environment: Java 8.0, Spring 4, Hibernate 4.2, Spring batch, Spring security, Spring Boot, JPA, JavaScript, AngularJS, HTML5, CSS3, WebSphere Application Server 8.5, Ionic, Eclipse, Oracle 11g, MongoDB, Apache Camel, Maven, Ant log4j, Junit, TestNG, Selenium, EasyMock, XML, Web Services, SOAP UI, Kafka,APIGEE, DevOps, AWS, PCF.**

**Client: Carnival Cruise Line, Miami - FL January 2016 – Aug 2017**

**Role: Sr. Java Full Stack Developer**

**Responsibilities:**

* As a Java developer involved in back-end and front-end developing team. Took part in developing, maintaining, reviewing and supporting quality code and services.
* Followed **Agile** Software Development Methodology and Test-Driven Development (**TDD**) to build the application iteratively and incrementally.
* Used **Cordova** in Ionic framework to build the hybrid mobile applications.
* Enhanced and optimized the functionality of Web UI using **RichFaces**, **JSF**, **AJAX**, **CSS**, **HTML** and **JavaScript**.
* Fetched **JSON** data within Orchestration Layer with **Spring** **Boot** **Application** and displaying it in UI.
* Software is built as a web app on **NodeJS** with **CSS** is compiled with **LESS** and **HTML** template engine in Jade.
* Implemented various features of **spring** framework such as **Dependency Injection**, **IOC**, **Annotations** and **Spring integration** with **Hibernate**.
* Implemented application architecture of the System is based on **Spring MVC** and **J2EE** specifications.
* Experienced in **Security-System development** for Web Applications. Involved and developed all phases of security implementation using spring security system against modes of authentications: **LDAP authentication, Database authentication and Pre-Authentication.**
* Jasmine and Karma Front End Testing: Angular2 Services were tested using Stubs and passed data via the fixture component instance.
* Integrated application with **Spring Security for form based authentication and authorization** by used spring security JSP tags to provide UI level spring security.
* Worked on **Spring** **Quartz** functionality for scheduling tasks such as generating monthly reports for customers and sending those mails about different policies.
* All the functionality is implemented using **Spring IO / Spring Boot, Thymeleaf and Hibernate ORM**.
* Implemented Java EE components using **Spring MVC, Spring IOC, Spring transactions and Spring security modules.**
* Eureka service registry of **PCF** configured for each service to enable communicate via cloud.
* Used in-built market place services of **PCF** for RabbitMQ, MySQL config.
* Implementing or exposing the **Micro services** to base on **RESTful API** utilizing Spring Boot with Spring MVC.
* **Kubernetes** were used as the best ecosystem to deploy and manage Micro services.
* Implemented a distributed messaging queue to integrate with **Cassandra** using **Apache** **Kafka** and **Zookeeper**.
* Implemented the application using **design patterns** such as **Session Facade**, **Business Delegate**, **Bean Factory**, **Singleton**, **Data Access Object**, and **Service Locator**.
* Producer API’s are exposed via proxy using **APIGEE**
* Created Server instances on **AWS**. **Tomcat, Swagger** and **hawtio** are installed and used for deploying **Micro-services.**
* Used **EMR** that makes a managed Hadoop framework.
* Experience on **Cloud Formation template stacks** to automate for building new VPC's using JSON files.
* Performed configuration, deployment and support of cloud services including **Amazon Web Services**.
* Rewrite existing Java application in **Python** module to deliver certain format of data. Generated Python Django forms to record data of online users.
* Initially we have used **NodeJS**/**ExpressJS** to mock **REST** services and built the UI app using that mocked backend. Later we integrated with the real backend system and coordinated with server-side development team.
* Used **JUnit** for unit testing and **log4j** for logging. Developed test cases for Front Endusing **Jasmine and Karma**.
* Used **Rabbit MQ** queues for implementation of multi-threaded synchronization processes and used **JMS** queues for consumption requests.
* Created and setup automated nightly build environment for java projects using **MAVEN.**
* **Used PL/SQL** stored procedures for applications that needed to execute as part of a scheduling mechanisms.
* Handled Java **MultiThreading** part in back-end, one thread will be running for each user, which serves that user.
* Defined strategic initiatives on **Continuous Integration & Delivery (CI/CD**) model with **Test-driven development, Extreme programming (XP)**, and build automation, in an AGILE development environment to help, respond quickly to business needs and to ship world class Quality products.
* Utilized Hibernate for **Object/Relational Mapping (ORM)** purposes for persistence onto the Oracle database.
* Involved in **PL/SQL** changes whenever needed in the application and used **TOAD** as Oracle client to access tables, Packages, Jobs and stored procedures.
* Experienced in modern quality assurance and management tools, including **Selenium** WebDriver, **TestNG**, JUnit, Maven, Jenkins, SVN, GitHub, **JIRA.**
* Integration of **automation** batch run job with **Jenkins**. Worked with Jenkins CI tool and Build Tool **Ant**.
* Involved in **JAD** sessions to gather requirements from the end clients.
* Used **GIT** as version management, JIRA for defect management system.

**Environment: Java 7.0, Spring 3, Hibernate 4.2, Spring batch, Spring quartz, Spring security, Spring Jta, Spring Boot, Python, Kubernetes, JPA, JavaScripts, NodeJS, HTML5.0,** **Ionic, Angular 2.0, CSS3, JMS, Rabbit MQ, JAXP (SAX & DOM), JBoss, Eclipse, Oracle 11g, Cassandra, Kafka, RESTful, log4j, JUnit, XML, Web Services, APIGEE, GIT, DevOps, AWS,PCF.**

**Client: Orange Lake Resorts, Tampa - FL April 2014 - December 2015**

**Role: Sr. Java Full Stack Developer**

**Responsibilities:**

* Involved in the creation of UI specification documents by interacting with business users and design documentation and data modelling for the entire project.
* Defined multiple Data sources on the server side to be used in applications with **JNDI**.
* Entire Application was developed in Eclipse. GWT plug-in is used for browser testing and compatibility of **AJAX** and **JQuery** components along with JUnit. Agile Methodology is used to develop the application, involved in daily **SCRUM** meetings to discuss the status and progress of individual Sprints and was mainly interacting with the business users for data migration and testing the application.
* Experience on **SVN** repositories for version controlling, and **Log4J** is used for Logging Errors, Exceptions.
* Involved in integrating applications with other application using **IBM WebSphere**.
* Good knowledge on automated data loading using SSIS package to fetch, load and parse data from various external sources such spreadsheets and flat files from **DB2** in to **SQL Server Database**.
* Frontend validations are performed using **JavaScript,** server-side validations are performed in Struts.
* Used **Struts Tag Libraries, JSPs, HTML, JavaScript, DOJO** and **CSS** to develop the frontend UI, certain shopping cart features are developed using Angular.js.
* Involved in development, performance testing & defects fixing, also followed an Issue Tracker to log the issues and fixes applied daily to streamline the application development.
* Used **GIT** controls to track and maintain the different version of the project.
* Involved in the architecture, design and development of high traffic application built in **Java/J2EE** using **MVC** architecture integrating **spring, Hibernate** and **Struts** frameworks in **SOA.**
* Used **struts validation framework** to perform Server-side validations.
* Involved in the creation of data model and data dictionary during the application design phase.
* Implemented **ORM** with **HIBERNATE** to make the Persistence class objects interact with numerous SQL Server tables spanned across various schemas as per **MODOC** standards.
* Experience on Test/Prod environment for continuous build and deployments in Jenkins.
* Involved in Local deployment and testing was performed in **JBoss** while final Testing, Stage and Production versions are deployed on the **WebSphere Server**.
* Performed various business services are exposed as Restful Web Services to the external clients during the **Service Oriented Architecture (SOA)** implementation.
* Involved in Test driven development using **Selenium** and **Junit**.
* Experience on **Apache Ant** as build tool to automate the build process for the entire application.

**Environment: Java, J2EE, Struts 1.x, Spring boot, JBoss 4.x, DB2, GIT, IBM web sphere, SVN, Log4j, Jenkins, JQuery,**

**Glassfish, AJAX, DOJO, JQuery, AJAX, JSON, GIT, Scrum, Apache Ant. Hibernate 3.0, MS SQL Server 2008, SOA, Selenium, cXML, JSP, Eclipse, GWT, JUnit, WebSphere 6.0**

**Client: AXA Financials - New York, Feb 2013 – March 2014**

**Role: Java Developer**

**Responsibilities:**

* Involved in various **SDLC** phases like **Requirement gathering**, **Design**, **Analysis** and **Code development** and the project was developed using **Agile** based **SCRUM** Methodology.
* Successfully executing **offshore modeling** by effective and on time knowledge sharing with offshore project groups through weekly team meetings and daily status update calls.
* Implemented **Struts** Framework and **Hibernate** in the new version of the Application.
* Involved in coding for the presentation layer using **Struts** and **JavaScript**.
* Developed **Action classes**, **Dyna Action Forms** and used **Validation** framework.
* Used **EJB** Stateless/Stateful session beans to implement business logic, session handling, and transaction and deployed Enterprise Java Beans both Session and Entity on WebSphere Application Server.
* Implement modules into **NodeJS** to integrate with designs and requirements.
* Developed real time tracking of class schedules using **NodeJS** (socket.io, Express JS framework).
* Developed web services component API’s for inter application communication and worked on the cloud-based web services to connect to **cloud** services.
* Taken care of java MultiThreading in common java classes/library.
* Extensively used **Javascripts** to enforce client-side validations and also used **JQuery** for **Ajax** processing.
* Involved in development of various web services using IBM **WebSphere** to interact with other Applications.
* Involved in **unit testing**, **troubleshooting** and **debugging**. Modifying existing programs with **enhancements**.
* Developed the **UNIX shell scripts** to automate jobs.
* Developed Entity Beans as Bean Managed Persistence Entity Beans and used JDBC to connect to **DB2.**
* Worked on Linux environment for deploying the application, running scripts for jobs.

**Environment: Jakarta Struts Framework 2.0, Core Java, Hibernate 3.0, EJB, Web Services, CSS, NodeJS, Eclipse, CVS, WebSphere Application Server 6.5, JUnit, UNIX, JavaScript, Servlets, JSP, JDBC, JQuery, DB2.**

**Client: Triumph Systems and Solutions Pvt. Ltd - Mumbai, Maharashtra March 2010 - December 2012**

**Role: Java Developer**

**Responsibilities:**

* Project modeled using **MVC (Model-View-Controller Architecture)** framework.
* Used **Spring Framework** for Dependency injection and integrated with the **Struts** and **Hibernate**.
* Developed the Web Tier of the application using **Jakarta Struts Framework**.
* Developed the application using **Java, JSP, Servlets** and **Oracle 9i**.
* Developed a stand-alone **JAX-WS** client to invoke the available web services. It involved creating auto-generated classes from WSDL using **JAX-B** implementation in **IBM RAD**.
* Wrote **GWT** code to create presentation layer using **GWT** widgets and event handlers.
* Used **Cucumber** to reveal and document, drive development of behavior in a large legacy code base.
* Added **Ajax** functionality to Java Server Faces using **Ajax4 JSF framework**.
* Used **JMS** Point-to-Point queuing model and developed Message Driven beans to consume messages from **JMS**.
* Used **PL/SQL** stored procedures for applications that needed to execute as part of scheduling.
* Designing/Developing J2EE applications/POCs using **Java/J2EE** with AspectJ on BEA **Weblogic server.**
* Customized RESTful Web Service using **Spring RESTful API**, sending **JSON** and **XML** format data packets between front-end and middle-tier controller.
* Developed a Servlet, which was tested on **Apache Tomcat, Jboss** and **Weblogic**.
* Developed Stored Procedures, triggered stored procedures using **Hibernate** in **secondary project**, involved in developing Programmatic transactions using **Hibernate**.
* Designed, developed, and deployed **EJB components** (Session and Message Driven beans).
* Expertise in developing integration services in **SOA** by offering Web Services (based on **XML**) on **SOAP Layer**.
* Involved in design and developing web services using **SOAP, XML, WSDL, XML Schemas, JAXP** and **XSL**.
* Used Rational Rose for **UML** diagrams.

**Environment: Core Java, J2EE, JSP, Servlets, XML, XSLT, EJB, JDBC, JBuilder 8.0, JBoss, Swing, JavaScript, JMS, HTML, CSS, MySQL Server, CVS.**