**SIVA SAI KALYAN**

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**PROFESSIONAL SUMMARY:**

* Around **9 years** of experience working as a Java /J2EE developer in designing, developing, deploying, and maintaining web-based, user-centric, client/server applications along with Enterprise and Distributed applications.
* As a Java/J2EE developer with over 8 years of experience, strong back end development with front end designs. Technical strengths include Java.
* Developed code in Java 8, J2EE and Hibernate using TDD, Continuous Integration CI. Experience in Spring Framework such as Spring IOC, Spring DAO, Spring web.
* Core Java, Swing, NO SQL, MongoDB, AWS, Bootstrap, ExtJS, JavaScript, AJAX, Groovy Grails, AngularJS and JQuery. Experienced in IBM SOA Suites like WebSphere
* Expertise in Java programming and have good understanding on **OOPs, Collections, Exceptions Handling, Input/output (I/O) System, Annotations, Concurrency, Multi-Threading, Lambda and Generics**.
* Expert level experience with Web based Application design & development using **Java, J2EE, Spring Boot, Spring, Hibernate, Oracle, SQL.**
* Good working knowledge in CORE concepts of JAVA including Threads, Collections framework and JAVA I/O packages. Experience with Linux/Unix Shell scripting.
* Expertise in designing and developing enterprise and web applications from design blueprint using java and J2EE technologies like Core Java, JSP, Java Script.
* Proficient in developing front-end systems with JavaScript, jQuery, Ajax, Bootstrap, HTML5, CSS3 and JavaScript frameworks such as **AngularJS** and **ReactJS** library.
* Ability to create Single Page Application using Angular JS framework.
* Developed crypto rest services using NodeJS and integrated services with HSM (Hardware Security Module).
* Involved in creating a reusable component using React JS for DOM manipulation
* Experience on Object Oriented Design Patterns such as **Singleton Pattern, MVC Pattern, Factory Pattern, Builder Pattern and DAO Pattern** with exposureto **UML Modeling**.
* Good experience working with the **Java1.8** and **JDK1.8** and implemented the new feature like Lambda Expressions, Functional Interface, Streams, Java Time API.
* Well Experienced with Micro services in implementing client-server business applications to build independent task and flexible applications.
* Experience in working on various **Spring modules (Spring Core, Spring MVC, Spring Boot, DAO and AOP**), along with **Hibernate** as the back end **ORM** **tool** for implementation of persistence layer, Microservices using Spring and mapping of POJOs.
* Experience in using Spring Security with OAuth2 for SSO service.
* Utilized Node.js, Socket.io, Redis, Supervisor, Grunt, Yeoman, and Angular for scalable website architecture and real-time technology.
* Expertise in implementing the persistence logic using **JDBC, JPA, Spring JDBC, Hibernate framework**.
* Knowledge of **XML**-based standards and protocols such as WSDL and SOAP, **Service Oriented Architecture SOA,**development of **XSD** schemas and implementing both **SOAP** and **REST web services**.
* Extensively worked on Micro Services using **Spring Boot, Spring Data and REST**
* Expertise in implementing Service Oriented Architecture by using **RESTful web services**.
* Hands on experience in **Amazon Web Services (AWS**), services like EC2, S3, IAM, ELB (Load Balancers), RDS, VPC, Route53, Cloud Watch, Cloud Formation, IAM, SNS, SQS, Lambda, API gateways, Security groups.
* Experience with **AWS** **Cloud formation Scrip**ts and launch configurations to automate repeatable provisioning of AWS resources for applications.
* Deep hands-on experience on building scalable web service architectures with various relational **MySQL, Oracle DB.**
* Experience in working with **NoSQL** databases like **Cassandra, MongoDB,** and **Elastic Search**.
* Experience with messaging systems like **Kafka, Kafka event sourcing, ActiveMQ**and**RabbitMQ**.
* Experience in creating and handling real time data streaming solutions and handling messaging services using **Apache** **Kafka**.
* Set up and maintained Logging and Monitoring subsystems using **ELK stack (Elasticsearch, Logstash and Kibana).**
* Experience in using IDE tools like **IntelliJ IDEA, Eclipse, NetBeans,** and **Visual Studio Code**.
* Good working knowledge in extreme programming tools like **Gradle, Maven and Ant**.
* Experience in java application testing using JSF UNIT and SoapUI for unit testing.
* Extensive experience in working with Unit testing frameworks **Junit** and integration testing with **Mockito**.
* Also worked with Spock testing framework using **Groovy** syntax.
* Good experience working with **Continuous Integration** **and Deployment** **(CI/CD)** tools like **Jenkins**, **Docker**.
* Worked on CI/CD tool Jenkins to automate the build process from version control tool into testing and production environment.
* Experience with container-based deployments using **Docker**, working with **Docker images** and **Docker Hub**.
* Used Kubernetes to orchestrate the deployment, scaling, and management of **Docker** containers
* AjaxWeaver runtime server is deployed in Fuse with MySQL as backend database. AjaxWeaver Studio written in ExtJS 3.4 with SVG and Silverlight as drawing engine.
* Experience in using version control and configuration management tools like **GIT**, GitHub, and **CVS**.
* Expertise in using **Agile Software Development methodologies** like Scrum, Sprint and Traditional software models like Waterfall and Test-Driven Development (TDD).
* Strong analytical, interpersonal and communications skills. Demonstrated track record of analyzing situations, implementing in a fast-paced environment.
* Excellent team player, very dynamic, flexible with positive attitude and excellent learning skills.
* An avid learner with an ability to employ new ideas, concepts, and technologies to achieve organizational goals.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Language** | Java, JavaScript, Typescript, Groovy,J2EE,CORE JAVA |
| **Java Technology** | JSP, Servlet, JPA, JUnit |
| **AWS Components** | EC2, AMI, IAM, ELB, Auto scaling, SNS, SES, S3, RDS, VPC, Route53, Cloud Watch, Cloud Formation, Security groups. |
| **Web Services** | RESTful, SOAP |
| **Frameworks** | Spring (MVC, Core, Data), Hibernate, Spring Boot, JDBC |
| **Message Queues** | Apache Kafka. |
| **Application Server** | Tomcat, WebLogic |
| **Data Bases** | Oracle, MySQL, Cassandra, MongoDB, Elastic search |
| **Query Language** | SQL, PL/SQL, HQL |
| **Version Control** | Git, GitHub, CVS |
| **Operating System** | Linux, Mac OSX, Windows, UNIX. |
| **Logging/Monitoring tools** | Splunk, Kibana |
| **Container Technologies** | Docker, Kubernetes |
| **Build Tools** | Ant, Maven, Jenkins |
| **Testing** | JUnit, Mockito, Spock |
| **IDE** | IntelliJ, Eclipse, NetBeans |

**PROFESSIONAL EXPERIENCE:**

**Client: Charles Schwab (Charlotte, NC) Jan 2021 - Present Role: Senior Java Developer**

**Responsibilities:**

* Involved in SDLC Requirements gathering, Analysis, Design, Development and Testing of application developed using Agile methodology.
* Used Java stringer to securely encrypt strings and application resources, successfully concealed method calls, access to fields, inner logic from being hacked.
* Experienced in implementing OOPS concepts using Java/J2EE technologies such as CoreJava, Servlets, JSP, EJBs, JDBC, spring, Hibernate and Web Services. Developing.
* Expertise in designing and developing enterprise and web applications from design blueprint using java and J2EE technologies like Core Java, JSP, Java Script.
* Worked in Waterfall model and Agile Methodology efficiently. TECHNICAL EXPERTISE. Core Java: Collections, SWING, JDBC, RMI. J2EE Technologies: JSP, Servlets.
* Used **Spring MVC** and **Dependency Injection** for handling presentation and business logic.
* Involved in creating the **Hibernate POJO** Objects and mapped using **Hibernate Annotations.**
* Implemented **Spring JPA Repository** for the persistence layer of the application (this layer communicates with the application DB - Oracle DB).
* Java Web/Backend Developer. Roles and Responsibilities: Programming front end user interface with ExtJS JavaScript framework. Development
* Use **Spring MVC** with Annotations in integrating different layers within the application.
* Data Operations were performed using **Spring ORM** wiring with **Hibernate.**
* Extensively used **JSON** to parse the data from server side to satisfy the business requirement.
* Implemented features like logging, session validation using **Spring AOP module** and **Spring IOC.**
* Extensively worked on developing **REST** based **Webservices** and consumed them as needed.
* Consumed **JSON RESTful Web Services** and sent responses with **Spring MVC.**
* Used **Spring Security** for Authentication and Authorization of the application.
* Configured **Kafka** to handle real time data. Implemented Kafka producer and consumer applications on Kafka cluster setup with help of **Zookeeper.**
* Used combination of **REST** and **Apache Kafka** message brokers to produce and consume centralized spring Restful web services in **JSON** format.
* Object Oriented Programming and Web development using Java/J2EE, EJB, JavaServlets and JSP.Extensive experience in Java.
* Proficient in n-tier application design and development using Java, J2EE, JSP, ... Worked with Spring MVC and Hibernate in the backend to build the business .
* Involved in Application Design & Architecture using Core Java, J2EE, EJB, Spring, Hibernate, JSP, Struts, Servlets, JMS, MDB, XML, Web Services (CXF).
* Developed DAOs layer using Cassandra big database and implemented **RESTful** web services that persists high-volume of data.
* Experience in installation of **ELK stack**, setting up all the required attributes and monitored the infrastructure implementation.
* Used Maven build tool for creating **JAR** files and automating the process of building **Docker Images** and pushing them to **Docker Private Registry**.
* Implementing new projects builds framework using **Jenkins** and maven as build framework tools.
* Created a fully automated Build and Deployment platform and coordinated code builds and promotions and orchestrated deployments using **Jenkins/Hudson and Github.**
* Excellent hands on configuration management tools like **chef puppet and ansible.**
* integrated Docker container based test infrastructure to **jenkins** CI test flow and setup build environment integrating with **Git** and zero to trigger builds using web hooks and Slave machines
* Worked on automated deployment tool using **Kubernetes** to deploy quickly and predictably.
* Also used **Kubernetes** to orchestrate the deployment, scaling, and management of **Docker** Containers.
* Worked on deploying the applications in **AWS** as **EC2 instances** and create snapshots for the **EBS** volumes.
* Used **AWS SDK** for connection to **Amazon S3** buckets as it is used as the object storage service to store and retrieve the media files related to the application.
* Used Amazon Identity Access Management (**IAM**) service to create groups & permissions for users to work collaboratively.
* Participated in understanding of ExtJS technologies and development tasks ... Worked as full stack backend developer for mobile applications (Front-End)
* Created reusable components and services to consume **RESTAPIs** using component-based architecture with **Angular 6.**
* Implemented **Angular 6** services to connect the web applications to the back-end API
* Integrated the UI components using **JSP, HTML, CSS, JavaScript, AngularJS**.
* Followed **Scrum/Agile methodology** with daily meetings to keep track of the progress and issues pertaining to the projects.
* Used **JUnit** framework and **Mockito** framework for unit testing and integration testing.

**Environment**: Spring, Spring MVC, Spring JPA Repository, Spring ORM, Spring AOP, Spring IOC, Spring Security, Hibernate, Apache Kafka, ELK Stack, ExtJS ,Docker, Kubernetes, AWS, Angular 6, JSP, HTML, CSS, Java script, AngularJS, JUnit, CoreJava,J2EE.

**Client: - Hilton (Memphis, TN) June 2019 – Dec 2020**

**Role: Senior Full Stack Developer**

**Responsibilities:**

* Involved in discussions with the client to discuss and understand various components of the requirement and to implement the same.
* Extensively worked on Implementing **Spring Boot Microservices** to divide the application into various sub modules.
* Expertise in application development using Servlets, JDBC, spring, Hibernate, EJB2.0/3.0, XML, Web Services- SOAP, WSDL, SAAJ. Working experience in Core Java.
* Extensive experience in design and development of J2EE applications using Core Java, Java Collections, Data Structures, Multithreading, JDBC, Servlets, JSP, EJB.
* Core JAVA JDK 1.4, 1.5 and 1.6. Web Development. Servlets, JSP. Operating Systems. Windows, UNIX, LINUX. Development Tools. Eclipse 3.2, PL/SQL Developer.
* Strong knowledge and development skills in Core Java technology such as Multi ... SpringData JPAand familiar with quick development of Java backend flow.
* Extensively worked with Oracle, MySQL, SQL Server relational database management; Exposure to application development using Java and J2EE technologies.
* Strong working experience in developing back - end applications usingJava J2EE, EJB, JMS,JSP, Servlets, Struts, Spring,JSF, JQuery, Hibernate, XML, SOA.
* Experience in working with JavaScript frameworks like Bootstrap, ExtJS, ... Expertise in design and development of J2EE applications using Core Java, ...
* Implemented Bean classes and configured **in Spring configuration** file **for Dependency Injection**.
* Developed Controller Classes using **Spring MVC, Spring AOP, Spring Boot,** handled securityusing **Spring Security.**
* Integrated **REST API** with **Spring** for consuming resources using **Spring Rest Templates** and developed **RESTful web services interface** to Java-based runtime engine and accounts.
* Designed, developed, and maintained the data layer using **Hibernate** and performed configuration of **Spring** Application Framework.
* Used **XML, WSDL, UDDI, SOAP** Web Services for communicating data between different applications
* Used the Java Collections API extensively in the application as security protection for **XML, SOAP, REST and JSON** to make a secure Web Deployment.
* Developed Jersey **Restful** Framework of **spring** for consuming and producing web services.
* Developed server-side services using **Java, spring, Web Services (SOAP, Restful, WSDL, JAXB, JAX-RPC).**
* Experience using **SOAP** **UI** for testing web services. Created **JUNIT** test case for various functional modules, modified, debugged, and executed using **JUNIT** plugin to **Eclipse** **IDE**.
* Spring **JDBC** used retrieve and update, inserting data in **MySQL** database with use of stored procedures.
* Involved in creating and extracting data from database using **SQL Queries** in **MySQL** database.
* Extensively used **log4j** to log regular debug and exception statements.
* Implemented Spring boot microservices to process the messages into the Kafka cluster setup.
* Wrote Kafka producers to stream the data from external rest APIs to **Kafka** topics.
* Created partition of Kafka messages and setting up the replication factors in Kafka Cluster.
* Deployed **Spring Boot** based micro services and **Docker** container on **AWS** EC2 instance.
* Designed **Java API** to connect the **Amazon S3** service to store and retrieve the media files.
* Using **Amazon RDS** hosted the **MySQL** database in the cloud.
* Worked on **Docker container** snapshots, attaching to a running container, removing images, managing director structures, and managing containers.
* . JavaScript, XML and HTML.Experience in Back End Development including Web servi. ... Establish coding standards for Java, JEE, ExtJS, etc.
* Prepared and executed test cases for Unit and Integration testing using Spock and Groovy.
* Involved in the development of presentation layer and **GUI** framework using **ReactJS** and **HTML**.
* Involved in rendering additional components with custom **HTML** tags using **ReactJS**.
* Performed code review and unit tested the application using Junit framework. Participated in the **production support** and **maintenance** of the project.

**Environment**: Spring Boot Micro Services, Spring MVC, Hibernate, XML, ExtJS ,SOAP, REST, MySQL, Kafka, Docker, AWS, ReactJS,CoreJava,J2EE.

**Client: - Hitachi Vantara (Charlotte, NC) Jan 2017 – May 2019**

**Role: Full Stack Developer**

**Responsibilities:**

* Involved in complete software development life cycle with object-oriented approach of client’s business process and continuous client feedback. Worked on designing and developing a complete service-oriented system based on **SOA** principles and architecture in agile development environment.
* Employed **Agile Model** and best practices for software development.
* Engaged in developing the UI by using **HTML, jQuery**, **and JavaScript** and in some places used **AJAX** to make calls to other services.
* Involved in developing the **CSS** sheets for the UI Components.
* Developed web-based application using **spring** framework for MVC architecture.
* Setting up the basic project set-up from scratch of **Spring-Hibernate** App based on Design.
* Used **Spring Framework AOP Module** to implement **logging** in the application to know the application status. Used **Spring DAO Module** along with Hibernate Framework to deal with Database.
* **Spring MVC Framework IOC (Inversion of Control)** design pattern is used to have relationships between application components. It is also used to separate the application configuration and dependency specification from the actual application code.
* Extensively worked on **JPA** as persistence layer, involving **Hibernate** to persist the Java objects as Entities in the database.
* Involved in development of **REST Web Services** using **SPRING MVC** to extract client related data from databases and **SOAPUI** tool is used for testing **RESTFUL API** web services.
* Familiarity with Service oriented architecture **(SOA)** by developing and consuming **Restful** web services based on **Jersey**.
* Wrote corresponding one-one **REST** methods to implement respective change requests (change appliers)
* Tested **REST** services using google chrome’s **POSTMAN** plugin.
* Deployed the application in **JBoss** Application Server.
* Worked on **Junit** for creating test cases for all the Business Rules and the application code.
* Called external vendor applications using **Web Services** for delivering notifications.

**Environment**: HTML, jQuery, JavaScript, Apache, Servlets, Spring 3.2, Hibernate 3.5, Spring MVC, SOA, RESTful,

**Client: - OneShield Software (Boston, MA) April 2016 – Nov 2016**

**Role: Java Developer**

**Responsibilities:**

* Involved in study of User Requirement Specification. Requested insufficient Information and helped clearing ambiguity in requirements document.
* Analysis and Design of various modules using **SOA** and **J2EE** stack.
* Involved in the design, development and implementation of the application using spring and J2EE framework.
* Involved in developing Classes diagram in **UML** showing generalization and other relationships, Sequence diagram describing the interaction of objects over time.
* Built web-based applications using Spring **MVC** 3.0 Architecture
* Developed User- Interface screens involving **Servlets**, JSP, JavaScript and **XML DOM** parser.
* Client-side scripts using JAVA, JSP, and JavaScript.
* Design and Development of software components like Interface, Action Handlers,
* Used **RAD** (Rational Application Developer for WebSphere Software provided code generation tools for creating required classes like stub, proxy etc. suitable for Apache **Axis** framework.
* Developed stored procedures (developed in PL/SQL) on the back end.
* Consumed Web Services by implementing spring’s **REST** support is to make the development of Restful Web services.
* Involved in creation of both service and client code for JAX-WS and used **SOAP** UI to generate proxy code from the WSDL to consume the remote service.
* Implemented persistence layer using various features of **Hibernate** 3.0 framework like **HQL** queries, Criteria, projections etc.
* Created an **XML** configuration file for Hibernate for Database connectivity.
* Created connections to database using Hibernate Session Factory, using Hibernate APIs to retrieve and store data to the database with Hibernate transaction control.
* Implemented Java Persistence API (JPA) through Hibernate 3.0.
* Worked with **WebSphere** 7.0 as an application server and **Tomcat** as a web server.
* Assisted **Oracle** **DB** development team in developing stored procedures and designing the database.
* Performed ClearQuest defects, Database change requests logging using Clear Quest.
* Used **Maven** for project builds and **SVN** as a versioning system.
* Converted and automated builds using **Maven** and Make. Scheduled automated nightly builds using Jenkins.
* Interacted with Business Analysts to come up with better implementation designs for the application.
* Provided production support for the application both onsite and remotely

**Environment**: JAVA 1.6, J2EE, Servlets, Spring 3.0, Hibernate 3.0, SOAP, Restful Web Services, Spring Framework

3.0, HTML, JavaScript, JDBC, PL/SQL, XML, UML, Oracle 10g, WebSphere 7.0, Maven, SVN, Windows

**Client: - Amigos Software Solutions (Hyderabad, India) June 2014 – July 2015 Role: Junior Java Developer**

**Responsibilities:**

* Performed validation for client side and server side with the help of Struts Validation Framework
* **Created XML Schema, XML template and XSL.**
* Developed **Web Services Application using SOAP and WS-Security.**
* Developed and maintained elaborate services-based architecture utilizing open-source technologies like **Hibernate ORM.**
* Deployed components on **J Boss and Web Sphere application server.**
* Designed banking web application by implementing the **Struts 1.2 framework for Model View Controller pattern.**
* Used Oracle platforms to create databases of student and faculty login information and their desired areas of study.
* Involved in discussions with the client to discuss and understand various components of the requirement and to implement the same.
* Created, executed, and monitored **Java unit** and **automation tests** within framework.
* Created and maintain **software documentation**.
* Gained experience in a number of financial areas, including trade order management, portfolio management, fixed income, compliance, equity, derivatives, etc.
* Involved in development of the application, writes use cases and serves as a primary contact with QA on **testing support**.

**Environment:** SOAP, WS-Security, Hibernate, J Boss, Web Sphere, Oracle, Struts 1.2, MVC pattern, Java Unit.

**EDUCATION:**

* **Bachelor’s in technology, Computer Science and Engineering**

Sastra University, Chennai - 2014