**Sai Vinay G**

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**Sr. Full Stack Java Developer || Java Full Stack Developer**

**Professional Summary:**

* Around 8+ years of experience in **Cross-Platform** (Web & Client-Server) application development and design using **Object-Oriented Programming, Core Java, J2EE** technologies.
* Expertise in several **J2EE** technologies like **JSP, Servlets, Struts, Spring MVC, Spring Boot, Web Services** (**SOAP, REST**) and **JSF**.
* Good experience working on different levels of Software Development Life Cycle (SDLC) and **Agile** Methodologies.
* Experience in using Core technologies like **Java, Servlets, JSP, Custom tags**, **Spring Boot, JDBC, Microservices, Java Beans, EJB, JavaScript, Web Services, AngularJS, jQuery, MVC, Struts, Spring**.
* Experience in developing applications using **Spring Boot** and implementing **Hibernate** database access methodologies.
* Extensive experience on developing web applications using **Spring Boot, Spring Security, Spring Core, Spring MVC, Spring AOP, Spring Actuator, Spring ORM, Spring JPA** and **Spring REST**.
* Extensive experience in developing **Microservices** using **Spring Boot, Netflix OSS (Zuul, Eureka, Ribbon, Hystrix)** and followed domain driven design.
* Experience in implementing various design patterns including **Data Access Object, Prototype, Factory, Abstract Factory, Builder, Observer, Builder, Data Transfer Object** and **Singleton**.
* Proficient in creating and consuming **SOAP** and **RESTful** web services in **Spring Boot** using **JAX-WS, JAX-RS**, and **Spring Rest** Controller.
* Implemented **OAuth2.0** for authentication-based web application and accessed their APIs for fetching data services.
* Experience of working in **jQuery, JavaScript, CSS,HTTP, XSD, WSDL** and **HTML**.
* Good understanding of implementing web applications using **Angular JS, Angular 2, ReactJS** framework.
* Experience on **RDBMS** such as **Microsoft SQL Server, ORACLE, MySQL, PostgreSQL, Aurora and DB2** and **NoSQL databases** such as **MongoDB, Cassandra, DynamoDB.**
* Good experience in **PL/SQL**, writing stored procedures, functions, and triggers.
* Experience in working with API’s (**SSL, CORS, JWT**), API Gateway, **REST** and **SOAP** Web Services using Ajax, JSON.
* Experience in using build/deploy tools such **as Jenkins, Docker,** and AWS for **Continuous Integration & Deployment** for Microservices.
* Good experience on working with **Amazon Web Services** like **EC2, S3, Amazon Simple DB, Amazon RDS, Amazon Elastic Load Balancing, Amazon SQS, AWS Identity and access management, AWS Cloud Watch, Amazon EBS** and **Amazon Cloud Front**.
* Hands-on experience in using message brokers such as **ActiveMQ, RabbitMQ** and **Apache Kafka.**
* Experience with browser testing, knowledge of cross-browser/cross-platform compatibility.
* Experience in writing **ANT, Gradle, Maven** and **Jenkins** build scripts, writing unit test cases using **JUnit, Mockito, Easy Mock, TestNG** and used **Log4j, Slf4j, Log InSight** for bug tracking.
* Used **Cucumber** for services automation and created the Feature Files for Cucumber Automation.
* Excellent skills in programming using a wide variety of languages and the ability to adapt to new latest technologies and work in a **Multi-platform** environment.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Programming Languages** | C, C++, Java/J2EE, SQL, PL/SQL, Python |
| **Java APIs** | J2EE, EJB, Servlets, JSP, JSTL, Custom Tag Libraries, JAX-RPC, JDBC, JNDI, JMS, JAXB, JUnit, Mockito, AWT, Spring MVC, Hibernate, Spring AOP, Spring DAO, Spring Core, Spring Security, Spring REST, Spring Boot, JPA, Log4j, Apache Kafka. |
| **Frameworks** | Spring, Spring Boot, Spring MVC, Hibernate, MEAN Stack |
| **Scripting Languages** | JavaScript, TypeScript, jQuery |
| **Web Technologies** | HTML/HTML5, XML, CSS/CSS3, Bootstrap, JSP, Ajax, NodeJS, Express, ReactJS, AngularJS, Angular7. |
| **Web/Application Servers** | Apache Tomcat, WebSphere, WebLogic, JBoss |
| **IDE’s** | Eclipse, NetBeans, IntelliJ, IBM RAD, WSAD |
| **Databases** | Oracle, MySQL, Postgres, Sybase, NoSQL, and MongoDB |
| **Operating Systems** | Windows, MacOS, Unix, Linux (Ubuntu, Red Hat) |
| **Version Control** | SVN, GitHub, Bitbucket |
| **Methodologies** | Agile, Waterfall |
| **Others Software Skills/tools used** | MS Office, Visio, Adobe Photoshop, HPALM, JIRA, Taiga |
| **Build Tools** | Maven, Gradle, Ant |

**PROFESSIONAL EXPERIENCE:**

**Client: Thrivent Financial | Appleton, WI May 2019 – till date**

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

**Project Description:**

We have a Strategic Wealth Portfolio is a non-discretionary, unified advisory account, combining separately managed accounts, mutual funds and exchange traded funds in a single account. In SWP, program assets will be held in one account, but segregated within that account into investment sub-accounts (for example Separately Managed Account (SMA) sub-accounts, mutual fund sub-accounts and ETF sub-accounts) that correspond with the asset allocation.

**Responsibilities:**

* Worked on Core Java concepts such as OOP Concepts, **Collections Framework**, and **Exception Handling**, **File I/o** and **Concurrency, Multi-Threading**, **JDBC**, **Generics**.
* Used Java8 features in developing the code like **Lambda expressions**, **creating resource classes**, fetching documents from database.
* Implemented **Angular** 2 Services for connectivity between web application and back-end API'S using **TypeScript**.
* Implement the technical transformation for the front-end from **Angular**.**JS** to **Angular8**.
* Developed single page applications using **Angular8** Routers.
* Performed form validations using reactive forms from the **Angular8** framework.
* Created **Angular8** Directives, **Components**, **Pipes**, Injectable across the whole system, such as to build the custom filter.
* Utilized the features of **Angular8 web components, Kendo UI and Human Centred Design** to present effective web design.
* Used **Apache Spark** for big data workloads for optimized query execution through distributed processing.
* Worked on JMS messages and deliver them as an Oracle Golden-Gate trail. This feature is included in both Oracle **Golden-Gate** Adapters and Oracle **Golden-Gate** for Big Data products.
* Developed various **pages** in the applications in front end technologies **HTML5**, **CSS3**-**SASS**, **JSON**, **Angular 6**.
* Developed Single Page Applications (SPA) using **Angular 8, TypeScript, HTML5, CSS3**, and **Bootstrap 3**
* Used **HTML5**, **CSS3**, **JavaScript**, **Angular8** and **Bootstrap** in front end.
* Worked with **Angular8** Controllers, Directives, Services, Pipes, Guards, Angular Routing.
* Implemented Java EE components using **Spring MVC**, **Spring IOC**, **Spring transactions** and **Spring security** modules.
* Worked with **Node.JS** framework, authoring complex directives, services, controllers, and filters.
* Developed scalable applications using the **MEAN**(Mongo-DB+Express.JS+Angular.JS+**Node.JS**) stack and created POC's for rest service development using **Node.JS**, Express.JS and MongoDB.
* As a backend developer, I created RESTFUL Web Services using **Node.js** & **Express.js.**
* Used design patterns like **Singleton**, **Data Access Objects**, **Factory** and **MVC** patterns.
* All the functionalities are implemented using **Spring IO / Spring Boot** and **Spring JDBC**.
* Integrated **Spring Security** to manage registration and login, used Cryptography for authentication.
* Designed **REST** based **Microservices** using **Spring Boot**.
* Designed and developed the **RESTful** web services to communicate over the network.
* Implemented the authentication, authorization of the application using **Spring Security**, **OAuth2**.
* Worked on **Swagger API** and auto-generated documentation for all **REST** calls.
* Implemented persistence layer using **Spring JDBC** template to store the data in **Oracle** database.
* Involved in maintaining and updating the procedure for **ETL** process.
* Used Oracle as database and Involved in the development of PL/SQL backend implementation and using **SQL** created **CRUD, Views, Joins, Indexes, and Procedures** statements.
* Experienced in real-time processing and core jobs using Spark Streaming with **Kafka** as a data pipe-line system.
* Implemented Spring boot microservices to process the messages into the **Kafka** cluster setup.
* Monitored the Error logs using **Log4j** and Developed **Mockito** and **JUnit** test cases.
* Developed and performed test cases using **Jasmine** and **Karma** for front end unit testing and used the **Cucumber**, Protractor and Http-server for the End 2 End testing.
* Created **JSON** request and validated the response using **postman** Interceptor and **Swagger UI**.
* Setup **CI/CD** pipeline process for the application using **Jenkins.**
* Changing the AWS infrastructure Elastic Beanstalk to **Docker** with **Kubernetes**.
* Moving existing monolithic architecture to **microservices** and migrating them to **AWS** cloud.
* Used **AWS** Services platform to upload data into **AWSS3** buckets and creating **EC2** instances.
* Apache **Maven** tool has been used for the build and deployment of the application.

**Environment**: Java 8.0, Spring 4, Hibernate 4.2, Spring batch, Spring Boot, Spring Security, JPA, JMS, HTML5, CSS3,Angular 8, Cryptography, Eclipse, Oracle 10g, Swagger UI,AWS, Docker, Log4j, JIRA, Pure XML, Web Services, Kafka, Microservices, REST UI, Apache Spark.

**Client: Mayo Clinic, Rochester MN Feb 2017 – March 2019**

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

**Project Description:** Mayo Clinic collaborates with biopharma, diagnostic, and other biotech companies to enable precision medicine through advanced diagnostics. Guided by the physicians and scientists at Mayo Clinic, we provide laboratory testing, test development, and sponsored testing services along with analytical validation, biospecimen and data access, biobanking services, and other diagnostic capabilities.

**Responsibilities:**

* Designed, developed, and tested **HTML5, CSS3, Bootstrap, JavaScript, jQuery** and **React.JS** that meets accessibility and web browser standards for website.
* Acquired process awareness for software development and deployment.
* Software development activities and ensuring process adherence and quality deliverable.
* Worked in using React JS **components, Forms, Events, Keys, Router, Animations, and Flux**.
* Designed **REST** and **SOAP** services.
* Used React JS for **templating** for faster compilation and developing **reusable components**.
* Implemented Custom Exceptions depending on the API Responses.
* Used Java 8 Lambda expressions along with Streams for creating internal iteration and performing chain operations such as Filter, Map, Collect on a collection Objects.
* Involved in creating EC2 instances and installed required configurations and applications on it and created S3 buckets for storing object level data into it.
* Developed, implemented, and tested **Node.js** applications.
* Created some widgets using Kendo UI and successfully integrated Kendo UI components, **node.js** and module.js with polymer.
* Implemented generating the verification hash code using crypto package on **Node.JS** and Added user validations and user permissions by using the **Node.js.**
* Used **Spring Boot**, which is radically faster in building cloud Micro Services and develop Spring MVC, based application with very less configuration.
* Implemented **BDD** through **Cucumber**. Created the **Feature Files** for Cucumber Automation.
* Designed and developed the **RESTful** web services using the **JAX-RS API** to communicate over the network. Worked on presentation layer to develop **JSP pages and embedding CSS, JavaScript, DOM and HTML**.
* Implemented AJAX for couple of navigation screen flows for asynchronous calls.
* Worked on design patterns which include **Decorator, Facade, Front controller** and MVC.
* Developed **Mockito** and **JUnit** test cases to improve code coverage.
* Worked on creating, retrieving, updating, and deleting documents in **MongoDB**.
* Involved in various phases of Software Development Life Cycles (**SDLC**) like Design, Development, and testing phases, and developed Use Case diagrams, Class diagrams, and Sequence diagrams.
* Designed an API Life Cycle template for the **API** business objectives.
* Experience in writing unit tests using **JUnit** and **Easy Mock**.
* Tested the performance of our API using **SoapUI, Postman,** and **JMeter**.
* Used **Jenkins** server for code monitoring during code integration phase.
* Managed **Azure** Infrastructure **Azure Web Roles**, **Worker Roles**, **VM Role, Azure SQL**, **Azure Storage**, **Azure AD** Licenses, **Virtual Machine Backup** and Recover from a Recovery Services **Vault** using **Azure PowerShell** and **Azure Portal**.
* Utilize **EBS** to store persistent data and mitigate failure by using snapshots.
* Worked in an Agile based development environment and used **JIRA** as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.

**Environment**: Agile, JIRA, HP ALM, HTML5, CSS3, JavaScript, TypeScript, Azure, Ajax, jQuery, JSON, JDBC, Bootstrap 3, Angular 2, Spring, Hibernate, LINUX/UNIX, Node.js, MySQL, JBoss, Apache Tomcat, Junit, Git, Ant, Jenkins, Log4j.

**Client: Homesite Insurance, Boston, MA Date: Feb 2015 to Nov 2016**

**Role: Java Full Stack Developer**

**Project Description:** Developing a microservices based online portal to make it quick and easy for policyholders to pay bills, make policy adjustments, view policy documents, and take care of other account management tasks. The monolithic architecture is being re-developed with Java 8, Spring Boot and AWS cloud platform for optimized performance of the site. Site offers an extensive range of insurance policies based upon the information provided by the policyholder regarding the type of property after authorized login. All the products are lined up beautifully on the UI along with "start a quote" option which needs some information to get a detailed quote of the insurance price.

**Responsibilities:**

* Developed web interface for Users Modules using **JSP, HTML, XML, CSS, Java Script and AJAX** with spring framework.
* Implemented User Friendly UI design with **HTML, CSS and JavaScript** for client-side validation and form submission functions.
* Used spring framework for transfer the data from GUI to DB with Ajax framework.
* Designed user friendly navigation for displaying various sections of data using jQuery.
* Implemented Spring IOC & AOP.
* Used **NodeJS** for building web applications with client-server architecture, where both can initiate communication in two-way connections and allow them to exchange data.
* Developed, deployed and maintained **Single Sign On** application in development, test and production
* Updated/modified JSP pages using **Struts** tags, used **jQuery** and its validator plugin for validating   
  Forms in the presentation layer.
* Used **AJAX** and JSON to send request to server and updating GUI pages using callback functions.
* Developed the view components using **CSS, HTML5, JavaScript, jQuery and form beans**.
* Extensively worked on Core Java concepts and expertise in collection framework.
* Developed business logic and Entity Beans to manage the transactions with the database to deliver the content to the presentation layer and also to store the data into the data layer.
* Implemented Restful services by JaxRs, CXF API’s.
* Implemented DAO (Data Access Object) design pattern to access data from DB2.
* Developed using J2EE design patterns like Command Pattern, Session Facade, Business Delegate, Service Locator, Data Access Object and Value Object Patterns.
* Used ANT Scripts to build and deploy the applications on WebSphere application server.
* Used JMS for programs to create, send and receive messages by using different modules like publisher, subscriber messaging and point to point messaging using IBM-MQ-Serie.
* Expertise in using DB2 database and Used log4j for debugging the application.
* Involved in Configuration of data source and deployment of application in development, Test and Production.
* Used J-Unit test cases to test the application, code coverage and checks for the analysis of code.
* Development process the Scrum, Iterative Agile methodologies for web Application.

**Environment:** Eclipse, Java API, JDK, JDBC, JMS, Message Queues, Web services, UML, XML,DB2,Web Sphere, Rest Services, Git, CXF, HTML, XHTML,CSS, JavaScript, Jenkins, log4j, SVN, JUnit, J2ME  and Windows.

**Client: Apollo, Bangalore, India Date: Aug 2013 – Nov 2014**

**Role: Java Developer**

**Project Description: HIS (Hospital Information System)** Application handles all the needs of a hospital. This web application Product deals with the designing & execution for the complete maintenance of the Heath Care System of a Hospital organization. Modules were designed for various departments & processes such as Office Manager, Patient and Visitor, Doctor Information, pay online bill etc. Through this application we can know doctor's information their specialization and employees' details.

**Responsibilities:**

* Played key role in the implementation of the web application.
* Preparing the documentation for Low Level design of the application and Process Flow of control for the entire application.
* Implemented the Consolidated applications front-end pages using **JSP's, JSTL**, and **Struts Tag Libraries**.
* Designed the Web application implementing the **Struts framework** for **Model-View-Controller (MVC)**pattern to make it extensible and flexible.
* Implemented the architecture with **Struts-Config**, **Action Form classes** & **Action classes**.
* Developed the helper classes used by most of the components in this application.
* Extensively used **Struts** **UI** tags for developing UI Pages.
* Used prepared statements and callable statements to implement batch insertions and access stored procedures.
* Involved in bug fixing and for the new enhancements. Tested Web Services using **SOAP UI** toolkit locally.
* Responsible for handling the production issues and provides immediate solution.
* Configured Logger, appended and layout using **log4j**, **SVN** used as **Source** & **version control** for rebasing & delivering code.
* Involved in bug fixing for dev and testing issues, Prepared **Unit test cases** as well performed **Unit testing**.

**Environment:** Java, Servlet, JSP, HTML, CSS, Struts 1.2, JDBC, JNDI, WebLogic Server 8.1, Oracle.

**Client: ICICI Financial Services, Hyderabad, India Date: May 2012 – May 2013**

**Role: Software Developer**

**Responsibilities:**

* Developed functional, non-functional features of the enterprise applications on the business needs.
* Developed proof of concepts, designing the system components, coding, and integration testing.
* Participated in all Agile scrum, project planning, design discussions and release activities.
* Developed and maintained web services using RESTful API and used JBOSS Developer Studio.
* Involved in development of User Interface using JSF**,** Rich Faces**,** Prime Faces, HTML/HTML5, CSS, JavaScript, jQuery, AJAX, and JSON.
* Integrated Spring- Hibernate frameworks for ORM functionality in spring framework.
* Used Java/J2EE Design Patterns such as DAO pattern**,** MVC pattern, Session Facade, singleton in the project extensively, which facilitates clean distribution of roles and responsibilities across various layers of processing.
* Designed Java classes using Spring Framework to implement the MVC architecture.
* Wrote complex SQL queries and programmed stored procedures, and control files for loading large amounts of data using Oracle 10g.
* Used Oracle SQL developer for the writing queries or procedures in SQL. Performed Module and Unit Level Testing with JUnit and Log4j.
* In production support responded to service tickets and service requests within established time-based requirements.

**Environment**: Java 1.7, J2EE (JSP, Servlets), JMS, JavaScript, jQuery, HTML, API, CSS, Bootstrap CSS, JSF 2.0 X, Hibernate, Spring, Linux, XML, XPATH, Shell scripts, Perl Scripts, Oracle 9i, Eclipse, JBOSS.

**Education:**

Bachelor’s in Technology – Computer Software Engineering.