**Siva V**

**sivavempati08@gmail.com**

**+1 973 826 2226**

**Summary:**

* 10 years of experience in analysis, requirements gathering, designing, developing and maintaining the Java based Enterprise and Web applications.
* Expertise on advanced software development methodologies such as Agile/Scrum model processes.
* Experience in Software Development Life Cycle (SDLC), **Requirements Specification, designing documents** and **writing.**
* Experience in Use Cases, Sequence Diagrams and Class Diagrams using UML, J2EE Design Patterns.
* Experience in back - end procedure development, for Database Applications using **Oracle 9i & 10g, SQL and** hands on PL/SQL
* Experience with Integrated Development Environments (IDE's) tools like **Eclipse** and **IntelliJ.**
* Expertise in **J2EE Architecture** using Java, Spring Framework, JSP, Hibernate, JPA, Microservices, Spring Boot, Maven, Log4J, UML, XML, CSS, HTML, and JavaScript.
* Experience in developing Microservices using **Spring Boot, Micro services, Hystrix, Eureka Registry Server** and followed domain driven design.
* Experiences in using build/deploy tools such as **CI/CD**, **Jenkins, Amazon Web Services (AWS)** for Continuous Integration & Deployment for multiple **Microservices** using **Docker & Kubernetes**.
* Experience in developing **Micro services** using **RESTful web service** & **Spring Boot** and followed domain driven design.
* Expertise in Spring framework, used Spring DI, Spring MVC & Spring security.
* Experience in creation of RESTful web API based on requirements.
* Hands on experience in developing web interfaces using **HTML5, CSS3, JavaScript.**
* Expertise in using **Hibernate, extensively used Entity Class Associations.**
* Experience working with **Restful API Web Service** for enhancing & maintaining with existing business.
* Experience in deployment of multiple microservices using Amazon Web Services (**AWS**) through **RedHat OpenShift OCP4 APZ Cluster** cloud for different env ex- DEV/RC/SIT/CTE/PROD.
* As per requirement, for OpenShift OCP cluster env, bumping up the POD, dynamic change of properties, shutdown of POD, scaling of PODs, download/verifying the logs on cloud cluster environment.
* Experience working with Agile SCRUM methodology and working in pair.
* Extensive experience in developing web-based project using **Struts, SPRING MVC, SPRING web flow Frameworks.**
* Hands on experience writing web service clients using Feign Client.
* Hands on experience in messaging broker system Kafka based on project need**.**
* Experience in SPRING, struts frameworks.
* Experienced with application servers, JBOSS and Apache Tomcat Server.

# Technical Skills:

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| **Programming Languages** | Core Java, SQL, PL/SQL |
| **Java Technologies** | Servlets, JSP, JDBC, JNDI |
| **Frameworks** | MVC, Spring, JPA, Hibernate, JDBC, Kafka, spring boot, Scala |
| **Distributed Technologies** | Web Services (SOAP/REST), SOA, RMI, XSLT, XSD, DOM, SAX, Apache, WSDL |
| **Web/Application Servers** | JBoss, Apache Tomcat, WebSphere, WebLogic. |
| **IDEs** | IntelliJ idea, Eclipse, NetBeans, Visual Studio |
| **Scripting Languages** | JavaScript, CSS3, AngularJS, Angular 13, JS |
| **Markup Languages** | HTML5, DHTML, XML |
| **Testing/Logging Tools** | JUnit, Mockito, Log4j |
| **Database Server** | Oracle, MySQL, SQL Server, PostgreSQL, DynamoDB, MongoDB |
| **Methodologies** | OOPS/OOAD, UML, Design Patterns, Agile, Safe Agile |
| **Containerization** | Docker, Kubernetes |
| **Networking** | HTTP, SMTP, DNS, DHCP, SNMP, TCP/IP |
| **Virtualization** | Oracle Virtual Box |
| **Version Control Tools** | GIT, SVN, CVS |
| **Cloud Platform** | PCF, AWS, Devops |

**PROFESSIONAL EXPERIENCE:**

**Client: CVS Health, TX September 2021 - Present**

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

**Responsibilities:**

* Driving the Software Development Life Cycle (**SDLC**) process from start to finish, ensuring the successful delivery of high-quality software solutions.
* Collaborated with clients to **gather requirements**, **design solutions**, and **develop applications** using the **AGILE methodology (SCRUM)**.
* Demonstrate proficiency in fundamental Java concepts such as classes, objects, inheritance, polymorphism, and encapsulation. Apply exception handling techniques to ensure robust error handling and graceful degradation of the application.
* Integrated REST APIs into React components to retrieve and update data, ensuring seamless data flow and synchronization.
* Utilized React Router for efficient navigation and routing within the application, enabling smooth user experiences.
* Implement **Spring MVC** for robust web application development. Utilize **Spring Boot** for rapid microservices deployment. Integrated with databases using Spring Data. Implement authentication and authorization using Spring Security. Applied **AOP** for code modularity and integrated with external systems using Spring Integration.
* Applying **Spring Batch** for batch processing and data integration tasks, including job scheduling, chunk-based processing, and data transformation.
* Implemented **Microservices architecture** to build **scalable** and **efficient RESTful services**, leveraging the power of **Spring Boot**.
* Managing virtual servers and containers using **AWS EC2** and **ECS**, setting up auto-scaling groups and load balancers, implementing serverless computing with **AWS Lambda**, designing data storage solutions with **S3, RDS, DynamoDB**, and **ElasticCache**, configuring networking components in **VPC**.
* Integrated **deployment pipelines** with tools like **GitHub**, **CodePipeline**, **Jenkins**, and **Elastic Beanstalk** for **streamlined deployment processes**.
* Employed **Hibernate ORM** for **automated mapping** between the **database** and **Java objects**, ensuring **efficient data handling**.
* Defining build scripts or configuration files to specify the build process, including **compiling source code, running tests** and **generating artifacts.**
* Installing and managing **IDE** software such as **IntelliJIDEA**, **Eclipse** and **VisualStudio**, ensuring compatibility with project requirements.
* Installing, configuring, and maintaining application/web servers such as **Apache Tomcat, Nginx** and **Microsoft IIS.**
* Integrating Kafka with other systems and technologies such as **Apache Spark, Elasticsearch** and **Hadoop** for data processing and analytics.
* Utilized **database optimization techniques** and efficient **indexing strategies** for improved **query performance**.
* Managing and versioning source code and related artifacts using a **version control** system (**VCS**) such as **Git**.
* Leveraged Node.js package manager (npm) to install, manage, and update project dependencies.
* Integrating MongoDB with Java applications, including connecting to the database, querying and updating data, and handling errors and exceptions.
* Evaluating and selecting appropriate **testing tools** based on project requirements and objectives.

**Environment**: Java/J2EE, HTML5, CSS3, JSP, JavaScript, jQuery, React.js, Node.js, MongoDB, XML, JSON, Spring IOC, Spring MVC, Spring Boot, Microservices, Spring Batch, Spring Security, Spring AOP, PostgreSQL, Hibernate (ORM), Apache Camel, WebSphere Application Server, RESTful Web Services, Agile methodology, Maven, Log4j, JUnit, GIT, Docker, AWS (Amazon Web Services), EC2 (Elastic Compute Cloud), Amazon S3 (Simple Storage Service), Linux, UNIX.

**Client: Sony Group Corp, New York, NY Dec 2020 - July 2021**

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

**Responsibilities:**

* **Conducted client requirements analysis**, designed innovative solutions, and actively contributed to application development and testing.
* Utilized **Java 8 Streams, functional interfaces** and **Lambda Expressions** to optimize code development.
* Implemented **HTML5, React.js, JSON, AJAX** and **DOM scripting** for form validations and enhanced user experience.
* Implemented state management using React's built-in state and props, and applied best practices for managing complex application state using Redux.
* Developed **custom JavaScript code** for **form validations** and enhanced **user experience**, utilizing advanced libraries and frameworks like **Angular** and **Ext.js**.
* Created **reusable TypeScript components** and **services** to consume **REST APIs**, following **Angular's component-based architecture**.
* Leveraged Spring technologies like **IOC, MVC, AOP, and Batch** for seamless functionality and security with **Spring Security**.
* Built **REST-based web services** for smooth integration with front-end applications using XML/JSON messages.
* Integrated web services using **JSON, BSON** and **RESTful protocols** for efficient data retrieval and updates.
* Developed robust **REST API implementations** using Spring Boot and prioritized code quality with extensive **test cases**.
* Implemented high availability and fault tolerance mechanisms with **Azure Load Balancer, Traffic Manager** and **Availability Set**s. Deployed applications on **Azure App Service, leveraging Web Apps, API Apps** and **Logic Apps**.
* Architected scalable and resilient cloud infrastructure on **Microsoft Azure** using services like **Azure** Virtual Machines, Virtual Networks, and Storage.
* Automated **build, test, and deployment processes** using **CI/CDpipelines** with **Azure DevOps**, **Pipelines**, or other third-party tools.
* Employed **Hibernate Criteria API** for efficient database querying and **CRUD** operations.
* Integrating build tools with **version control** systems to trigger builds automatically upon code changes.
* Providing support and training to developers on effectively using the **IDE** and maximizing its features and capabilities.
* Configuring and managing server-side frameworks and technologies, such as Java Servlet Containers (e.g., **Apache Tomcat**) and **Node.js**.
* Integrating **RabbitMQ** with various systems and frameworks using client libraries or connectors.
* Developed **ETL** processes for seamless data migration and synchronization to **MongoDB** from diverse sources. Validated application workflow and functionality using Postman.
* Managed **Docker orchestration** and **containerization** with **Kubernetes** for streamlined deployment and scalability.
* Managing and maintaining **bug tracking** systems such as **JIRA, Bugzilla** or **Trello** to track and prioritize software defects and issues.
* Conducting functional, integration, regression, and performance testing to identify and report software defects.

**Environment:** J2EE, JDK, Spring Data, Hibernate, REST, Spring ORM, Microservices, Spring Boot, MS Azure, REST API, MongoDB, WebSphere Application Server, Apache Tomcat, JavaScript, Angular8/9, react.js, Node.js, jQuery, XML, Maven, Oracle 11g, GIT, REST, JDBC, UML, JSON, Junit, Azure.

**Client: Verizon, New York City, NY Feb 2019 – Nov 2020**

**Role: Full Stack Developer**

**Responsibilities:**

* Creating a single page web application with Angular as the front end, Spring boot as the back end, and PostgreSQL as the database, several Spring Boot Rest APIs running under Java 8 were developed.
* Implemented the Bootstrap and Angular material together to create a more appealing and functional user interface.
* Creation of components to modularize and organize the UI of the Angular application and also Implemented the data binding and event binding using components.
* Creation of Templates to define the structure and HTML content of a component and in creating a component's visual representation and determining how it should display the data and Bind data to templates using property and event bindings.
* Implemented routing to handle the navigation from one view to the next in the application and built-in directives to manage forms, lists, styles in the application.
* Implemented advanced techniques such as host binding, host listener, and dependency injection to create complex attribute directives. Employed template references to dynamically manipulate the contents of ng-template elements and develop adaptable templates
* Using spring boot, set up the database and configured data access layers and used spring's JPA (Java Persistence API) to interact with the database (PostgreSQL) and Implemented data access object (DAO) interface using spring's Crud Repository or JpaRepository.
* Implemented the Basic Authentication, Token-based Authentication, role-based or permission-based authorization, CSRF protection and Session management using spring security.
* Implemented the REST APIs for data retrieval and manipulation and to allow the client to interact with the server by sending HTTP requests and receiving HTTP responses.
* Developed Kafka message producers using Kafka Template to send messages to a Kafka topic. Implemented message processing logic such as transforming messages, performing business logic on messages, and persisting messages to the database.
* Designed and implemented complex database schemas using PostgreSQL and integrated them with Spring Boot applications. Built Spring Data JPA repositories for PostgreSQL databases and implemented CRUD operations for multiple entity classes.
* Integrated Jenkins with Spring Boot for CI and CD and also configured to automatically build and test the Spring Boot application.
* Implementation of Checkmarx to identify potential security vulnerabilities in the code and for providing the recommendations for mitigation.
* Implementation of SonarQube enforces coding standards and compliance with industry regulations such as OWASP, PCI, and HIPAA.
* Performed Distributed tracing, utilizing the complete view of the request-response flow, to quickly identify and resolve issues in the complex microservice-based architectures.
* Created a separate test environment for Spring Boot back-end, including all necessary dependencies and configurations and used JUnit to write the tests that cover the various functionality of the back-end, such as testing APIs, services, and databases.
* Performed Karma testing to configure test environments and automate the testing process for Angular components, services, and directives.
* Implemented python to develop micro services that run as part of the back-end and to automate various tasks such as data processing, testing, and deployment.
* Build servers using AWS which includes importing necessary volumes, launching the EC2 instance, IAM, ELB, Route 53 and SNS as per the architecture. Deployed the web application using Amazon EC2 instance and configure the web server Nginx to serve the application
* Constructed S3 lifecycle of Applications & Database logs, which includes deleting old logs, archiving logs based on the retention policy and granting rights to authorized users and used AWS S3 for database backup regularly and save snapshots of data.
* Secured the web application by setting up firewalls, SSL certificates, and security groups, to restrict access to the EC2 instance and protect sensitive data.
* Exploited CloudFormation, defined the resources and configurations needed for the application in a template, and then used that template to automate the creation and update of those resources.
* Implemented Docker and Kubernetes for the deployment, scaling, and management of containers, utilizing features such as orchestration, image creation, and configuration management, showcasing expertise in their usage.
* Integrated Data Dog with web application to monitor infrastructure performance, Trace requests, Log management, Alerting and custom metrics.

**Environment:** Java 1.8, HTML 5, CSS 3, TypeScript, Ajax, JSON, Bootstrap, JQuery, Angular, Maven, Spring Boot, XML, Agile, PostgreSQL, Cloud Bees Jenkins, Check marx , SonarQube, Distributed tracing, JUnit and Karma, Git, ServiceNow, Amazon Web Services, Data Dog.

**Client: HTC Global Services, India Sept 2015- AUG 2018**

**Role: Java Developer**

**Responsibilities:**

* Orchestrated the analysis, design, development system and integration testing phases of Software Development Lifecycle (SDLC).
* Created multiple microservices and written API’s using different http methods to retrieve and save data.
* Used Kafka for inter service communication asynchronously.
* Experience with JAVA and developing/maintaining backend APIs.
* Knowledge of REST API, JSON.
* Ability to write and execute automation scripts by using SOAP UI.
* Handled all client-side validations, slide show, hide and show controls, dropdown menus and tab navigation using jQuery.
* Wrote Hibernate configuration file, hibernate mapping files and define persistence classes to persist the data into Oracle Database.
* Used Eclipse IDE for developing code modules in the development environment.
* Used Hibernate for mapping java classes with database and created queries with Hibernate query language (HQL).
* Used Git for Source Control and Version Management of all codes and resources.
* Developed the User Interface using HTML5, CSS3 and used JavaScript for client-side validations and to achieve other client-side event handling.
* Used Spring Web MVC framework for applying MVC Implementation to the web application.
* Implemented the database connectivity using JDBC with Oracle 10g database as backend.
* I also have experience with sonar I fixed the pipeline by fixing major and critical issues.

**Environment:** Java, Spring, Hibernate, AWS, JavaScript, jQuery, Ajax, HTML5, CSS3, JSP1.2, JSON, JDBC, Oracle 10g, XML, Tomcat server, Log4J, Junit, RESTful Services, JSON, WSDL, SOAP, SVN, JavaBeans, Drools.

**Client: DXC Technology-India Jan 2013 - Aug 2015**

**Role: Java Developer**

**Responsibilities:**

* Analysed the requirements and designed class diagrams, sequence diagrams using UML and prepared high-level technical documents.
* Extensively used the Spring Core for Inversion of Control (IOC), Spring Integration, Application Context and ORM modules of Spring Framework in the project.
* Designed and developed the database table, views and the relationship between tables.
* Written Stored Procedures, Functions, Triggers, Sequence and Data Analysis to improve the overall performance.
* Employed Hibernate ORM tool for interacting with backend Oracle 11g database by developing Hibernate mapping configuration files to provide the relation between Java objects and database tables.
* Deployed Spring configuration files such as application context, application resources and application files.
* Used Maven tool to build the application for deployment in Apache Tomcat and resolve its dependencies.
* Successfully involved in Test Driven Development (TDD) model using JUnit.
* 5+ of related experience in software development, testing REST, JSON, and backend APIs (SOAP UI, PostMan, or ReadyAPI).
* Experience with GitLab DevOps/CI/CD platform.
* Experience with an IDE such as eclipse.
* Experience with JAVA and developing/maintaining backend APIs.
* Knowledge of REST API, JSON.
* Ability to write and execute automation scripts by using SOAP UI.
* Validated all the input data at every entry point within the application to avoid potentially malicious data to be stored in the database.
* Used Spring Web MVC framework for applying MVC Implementation to the web application.
* I have written Java in test cases for the code I have done and code coverage we used to do is 80%.
* Implemented the database connectivity using JDBC with Oracle 11g database as backend.

**Environment:**Java, Spring, Hibernate, JavaScript, jQuery, Ajax, HTML5, CSS3, JDBC, Oracle 11g, XML, Tomcat server, Log4J, JSON, JUnit, LINUX, Apache Tomcat, Visual SVN, Eclipse, Drools.