**Satyanarayana S**

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 **PROFESSIONAL SUMMARY:**

* About 9+ Years of progressive experience in all the phases of software development life cycle which includes **Project Management, Requirement Study, Analysis, Design, Development, Integration, maintenance, implementation** and **testing** of various **client** and **web applications** using **Core java, JAVA/J2EE, Spring Boot, Microservices, Spring MVC, Spring Batch, EJB, Servlets, JDBC, XML, Unix/Linux**
* worked in **SDLC** using **Agile (SCRUM), Waterfall** methodologies and **Test-Driven development (TDD)** methodologies
* Developed **SOAP, Restful services, Microservices using Spring Boot** and successfully converted monolithic applications to Microservices architecture
* Designed and implemented applications using **Spring Boot, Spring IOC, Spring Security, Spring AOP,** and **Hibernate**
* Developed robust and scalable Java applications leveraging the new features introduced in Java 8, such as **lambda expressions, streams** and **functional interfaces**
* Integrated **Swagger UI** for API documentation, performed unit testing using **JUnit** and **Mockito**. Also, validated endpoints using **SOAPUI** and **Postman**
* Worked on various databases including **SQL Server, IBM DB2, Oracle, MySQL, PostgreSQL** and implemented **Hibernate** for ORM
* Proficient in **Spring data JPA, Hibernate** for efficient object-relational mapping in Java applications, ensuring seamless data persistence and database communication
* Expertise in design patterns such as **Singleton, Factory, Observer, and Strategy**
* Implemented authentication and authorization using **Spring Security** and **OAuth2**
* Implemented messaging systems with **RabbitMQ, Apache ActiveMQ** and monitored Microservices using **Spring boot admin**
* Hands-on experience with version control systems including **Git, GitHub, SVN** and **IBM ClearQuest**
* Experience in CI/CD pipelines using **Jenkins, Docker, OpenShift, kubernetes** and **AWS EC2** for DevOps practices
* Good Knowledge in using various Amazon Web Services (AWS) Components like **EC2, S3 buckets, Glacier** for storing objects, **EBS, Lambda, CloudFront, Elastic cache** for storing data, **Cloud watch, SQS, SNS, RDS, Elastic search, Elastic Load balancer, Elastic Beanstalk, IAM** and **AWS Glue** for ETL workflow orchestration
* Experience in using tools like **Fortify, SonarQube** to ensure code quality and adherence to coding standards
* Proficient in execution of production deployments for complex Java applications, ensuring smooth and error-free releases to production environments
* Familiar with web servers like **WebLogic, JBoss EAP 7.2.0, WebSphere 7.0** and **Apache Tomcat 8.0** for hosting web applications
* Used **Log4J** API for logging and debugging and integrated with **Splunk** to monitor logs
* Proficient in implementing caching technologies and performance optimization techniques across the Java
* application, leveraging tools such as **Redis** and **EHCache** to enhance application speed and efficiency
* Familiarity with various software development and project management tools using **Rally, Jira, Kanban, ClearQuest** and **ALM**
* **Self-motivated** and **Proactive learning** of new technologies and exploration of innovative solutions

**TECHNICAL SKILLS:**

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| --- | --- |
| **Languages** | Java 1.7/1.8, PL/SQL, SQL |
| **Java Technologies** | Core Java, J2EE, Spring Boot, Spring, Spring MVC, Web Services (SOAP, RESTful), Servlets, Struts, JDBC, JMS, JSP, Spring Batch, Spring Cloud, XML, JSON |
| **Database Technologies** | SQL Server, IBM DB2, Oracle 10g/11g, MySQL, PostgreSQL |
| **Web Services & Data Formats** | SOAP, RESTful APIs, WSDL, JSON, XML, XSLT |
| **ORM Frameworks** | Spring Data JPA, Hibernate |
| **Web/Application Servers** | Apache Tomcat, JBoss EAP 7.2.0, IBM WebSphere, WebLogic |
| **Development Tools** | IntelliJ, Eclipse, Spring Tool Suite, MS Visual Studio |
| **Source Control** | Git, GitHub, SVN, IBM Clear Case |
| **CI/CD & Build** | Jenkins, Bamboo, Maven, ANT, Gradle |
| **Testing Frameworks & Tools** | Junit, Mockito, SoapUI, Swagger, Postman |
| **Cloud** | Amazon Web Services (EC2, S3, Lambda, RDS, SQS, SNS, IAM,CloudWatch) |
| **Project Management and Collaboration** | Rally, JIRA, Confluence, Kanban |
| **Development Methodologies** | Agile, Waterfall, TDD |
| **Logging and Monitoring** | Log4J, Splunk, CloudWatch |
| **Message Queue Systems** | JMS, ActiveMQ, RabbitMQ, Kafka |
| **Caching technologies** | Redis, EHCache |
| **Containerization and Orchestration** | Docker, Kubernetes, OpenShift container |
| **Other tools** | Dynatrace, Grafana, WinSCP, VMWare Horizon client, SonarQube, Fortify, Putty, BlueZone session manager, Openlens, ALM, KubeCtl, Google cloud SDK |
| **Platforms** | Windows, Mac, UNIX, LINUX |

 **PROFESSIONAL EXPERIENCE:**

**UnitedHealth Group (OPTUM) – Eden Prairie, MN Sept 2022 – Till date**

**Java Developer**

**Responsibilities:**

* Working in agile framework as an individual contributor Responsibilities include - Interaction with Business team in story grooming, reviewing **story/acceptance** criteria
* Develop robust Java based **microservices** using **Spring boot** APIs to perform CRUD operations following specific coding guidelines and specific standards
* Involved in meeting with other teams, system analysts and business to get the new enhancements and stories for **FTI reports** development
* Build a **common error handling** framework which is used by all **micro services** in the project
* Responsible for writing the **batch process** flows by using **Cron jobs** to satisfy the business requirement
* Involved in batch processing using **Spring Batch** framework to extract the data from Facts database
* and load into corresponding child support database tables
* Schedule a **Spring batch** Job to restart my application every 12 hours
* Responsible for drawing process level **flowcharts** (Swim lanes diagrams) for the micro services developed using **Microsoft Visio** tool
* Used spring for **Dependency Injection** for plugging in the **Hibernate DAO** objects for the business layer
* Unit testing of the application based on the Unit Test cases and verify whether the implementation is meeting the client requirement using **POSTMAN, SOAPUI** and **Swagger UI Tools.** Coordinate with Product Owner on testing the Requirement in the UAT environment and promoting to QA
* Worked with database development team and **DBA team** to design the **data model tables**. Used **SQL Server,** **Oracle 11g DB**
* Responsible for **Integration testing**, **End to End testing** with consumers and helping them until deployed to production on weekends. Involved in logging using **Log4J** and working with defects
* Using **Maven** as a build tool automating the building, testing, publishing, and deployment
* Used **Jenkins** as a primary tool for implementing the CI/CD during code releases
* Used **Splunk tool** to trace the errors using business correlation ids
* Debugging, tracking, and fixing the bugs in the code for defect free environment
* Implemented **vault** to connect with the database securely
* Responsible for using the **Sonar** tool for the **Quality code**
* Deployed the application in **OpenShift** container after **Docker** image was created
* Built and Deployed Java/J2EE to Tomcat Application servers in an Agile continuous integration process and automated the entire process using Maven and Automated Weekly releases with Maven Scripting for Compiling Java Code, Debugging, and placing Builds into Maven Repository
* Participate in Production code deployment and perform deployment tasks for a smooth Production release

**Environment:** Java 1.7, J2EE, Spring Framework 5.0.3, Spring Boot 2.3.0, Spring Data JPA, Spring Batch, SQL Server, IBM DB2, Tomcat 8, Swagger 2.10.5, Maven 3.5.3, GitHub, REST Web services, IntelliJ Idea 2019.1.1, Junit, Mockito, Rally, Jenkins, SOAP UI, Splunk 7.3.7, Grafana, Log4j2, Postman 7.18.0, VMWare Horizon client, WinSCP, OpenShift, AWS, Kubernetes, Openlens

**State of Florida, Tallahassee, FL Jan 2021 – Aug 2022**

**Role: Java Developer**

**Responsibilities**:

* Developed Application using **Agile** methodology
* Worked in all phases of SDLC, including **requirements gathering, analysis, design, technical documentation, and development, bug fixing, supporting QA teams** and **debugging production issues**
* Part of the software development team utilizing **Waterfall methodology** in designing applications to support Time saving Innovation Process (TIP) & Power Tools projects
* Hands on experience in building web-based enterprise applications using **JAVA/J2EE technologies such as Core java, J2EE, Spring Boot - microservices, Hibernate, Spring JDBC Template, Spring data JPA (Java Persistence API), JDBC, Web Services (SOAP, REST), XML** etc
* Involved in Design & Develop the Micro Services based on **Restful API** utilizing Jax-Rs
* Used **JPA, hibernate** as an O/R mapping tools for selecting, inserting, and updating the records in the database
* Leveraged **Spring Core, Spring dependency injection** and **hibernate** for accessing data objects and implemented them in designing scalable and integrated applications
* Experience with tools like **Jenkins, GitHub, SonarQube**, **artifact repository, docker**
* Involved in designing and deploying multiple applications utilizing AWS stack and implemented **AWS** solutions like **EC2, S3, IAM (Identity and Access Management), EBS, Elastic Load Balance (ELB), Security Group, Auto Scaling**
* Automated and implemented the Cloud Formation Stacks for creating **AWS** resources like **VPC, Subnets, Gateways, Auto-Scaling, Elastic-Load-Balancers (ELB), creating DB Instances and many others across different Availability Zones**
* Performed **WebLogic** Server administration tasks such as installing, configuring, monitoring and performance tuning on Linux Environment, maintaining security by installing and configuring SSH encryption to access on Ubuntu and RHEL Linux
* Experienced in using **Oracle database** for writing **SQL scripts, stored procedures**
* Worked with **Clear Case** (Version Control and Source Code Control) and **Clear Quest** (defect tracking) to resolve the change requests
* Extensively used **Eclipse, STS, IntelliJ IDEs** for developing, debugging, integrating, and deploying the application
* Implemented **Log4j** by enabling logging at runtime without modifying the application binary
* Tested the behavior of the REST endpoints through **Postman** and **soap UI**
* Used Eclipse IDE for code development and **IBM ClearCase** for version control
* Responsible for **debugging, testing, maintaining, and deploying** the application
* **Environment**: Java 1.7/1.8, J2EE, Spring Boot, Spring, RESTFUL web services, Hibernate, JSP, JSON, XML, JUNIT, Web Logic, Maven, Oracle DB, Log4j, STS (Spring Tool Suite), Postman, Jenkins, GitHub, IBM Clear Case, BlueZone session manager, Mainframes
* **UnitedHealth Group (OPTUM) – Eden Prairie, MN April 2018 – Dec 2020**
* **Java Developer**
* **Responsibilities:**
* Working in agile framework as an individual contributor Responsibilities include - Interaction with Business team in story grooming, reviewing **story/acceptance** criteria
* Develop robust Java based **microservices** using **Spring boot** APIs to perform CRUD operations following specific coding guidelines and specific standards
* Involved in meeting with other teams like **HCL, CGI**, system analysts and business to get the new enhancements and stories for **FTI reports** development
* Worked on eSignature functionality and integrated with **DocuSign APIs** during application submission flow
* Used spring for **Dependency Injection** for plugging in the **Hibernate DAO** objects for the business layer
* Build a **common error handling** framework which is used by all **micro services** in the project
* Implemented **Redis** cache technique for caching the data in microservices
* Responsible for writing the **batch process** flows by using **Cron jobs** to satisfy the business requirement
* Responsible for drawing process level **flowcharts** (Swim lanes diagrams) for the micro services developed using **Microsoft Visio** tool
* Unit testing of the application based on the Unit Test cases and verify whether the implementation is meeting the client requirement using **POSTMAN, SOAPUI** and **Swagger UI Tools**. Coordinate with Product Owner on testing the Requirement in the UAT environment and promoting to QA
* Worked with database development team and **DBA team** to design the **data model**, **tables**, etc.., used **SQL Server,** **Oracle 11g DB**
* Responsible for **Integration testing**, **End to End testing** with consumers and helping them until deployed to production on weekends. Involved in logging using **Log4J** and working with defects
* Using Maven as a build tool automating the building, testing, publishing, and deployment
* Used **Jenkins** as a primary tool for implementing the CI/CD during code releases
* Manage and configured **AWS services** as per the business needs (**EC2, S3, RDS, Cloud Watch**)
* **AmazonEC2** in AWS (Amazon Web Services) is used for testing and deploying the lower environments such as **Dev, INT** and **Test**
* **Amazon S3** is used to store objects that contain image URLs and **Amazon CloudWatch** to set alerts and **monitor** the **Amazon EC2 instances**
* Participate in Production code deployment and perform deployment tasks for a smooth Production release
* Used **Splunk tool** to trace the errors using business correlation ids
* Debugging, tracking, and fixing the bugs in the code for defect free environment
* Implemented **vault** to connect with the database securely
* Responsible for using the **Sonar** tool for the **Quality code**
* Deployed the application in **OpenShift** container after **Docker** image was created
* Built and Deployed Java/J2EE to Tomcat Application servers in an Agile continuous integration process and automated the entire process using Maven and Automated Weekly releases with Maven Scripting for Compiling Java Code, Debugging, and placing Builds into Maven Repository
* **Environment:** Java 1.8, J2EE, Spring Framework 5.0.3, Spring Boot 2.3.0, Spring Data JPA, Oracle 11g, Tomcat 8, Swagger 2.10.5, Maven 3.5.3, GitHub, SQL Server, REST Web services, IntelliJ Idea 2019.1.1, Junit, Mockito, Ca Agile central, Jenkins, SOAP UI, Splunk 7.3.7, Log4j2, Postman 7.18.0, VMWare Horizon client, WinSCP, OpenShift, AWS.
* **State of New York – Albany, NY April 2017** – **March 2018**
* **Software Developer**
* **Responsibilities:**
* Developed our business responsibilities in **Agile/scrum** methodology, involved with **Sprint Planning,** **sprint grooming**, Allocation of User Stories using rally
* Designed and developed the **REST** based **Microservices** using the **Spring Boot**
* Developed **Web Services** using **Spring, REST** and **Hibernate** and the development of various modules
* Configured **Spring Container** to implement **IOC/DI of Spring Beans** and to manage the beans life cycle
* Used Spring Core Annotations for Dependency Injection **Spring DI** and **Spring MVC** for **REST API’s** and **Spring Boot** for **microservices**
* Used **microservice architecture**, with **Spring Boot**-based services interacting through a combination of **REST** and **Apache Kafka** endpoints
* Developed **REST APIs** with Resource based URIs techniques using **Jersey** and **Rest Easy** implementations of **JAX-RS**
* Used Core Java and implemented concepts like **Multi-Threading**, Concurrence, **Exception Handling**, **File handling, IO, Generics** and **Java collections** in various projects
* Involved in writing **Oracle PL/SQL Stored procedures**, **triggers,** and **views**
* Implemented different Design patterns like DAO, **Singleton Pattern** and **MVC architectural** **design pattern** of **spring framework**
* **Client-side** validations and **server-side** validations are done according to the business needs
* Efficiently used build tool **Maven** for application deployments in both **windows and UNIX** **environments**
* Wrote **JUNIT test cases** for **unit testing**
* Used **Log4J API** for **logging** and **debugging**
* **Environment**: Java 1.8, Spring Boot, Micro Services, Spring Tool Suite (STS), MongoDB, Log4j, Agile, JUnit, Mockito, SVN, JIRA, Jenkins, Maven
* **Verizon** – **Alpharetta, GA**    **June 2016 – March 2017**
* **Software Developer**
* **Responsibilities:**
* Created **REST web-services** based architecture using **Spring MVC** framework
* Used **Eclipse** IDE for development, configured and deployed the application on to **Tomcat** using **Maven**
* Used **Spring** at backend which helps to develop applications and tested the responses with **SOAP** UI
* Worked with the project manager to prepare and maintain the use cases, project plans, test plans and project status reports
* Deployed the application in **JBoss** Application Server
* Involved in Design, Development and Support phases of **Software Development Life Cycle**
* Application development experience using **Collection** framework and **Core Java, Spring, Hibernate, SQL server**
* Created **Hibernate** mapping and Hibernate configuration files for data manipulation which includes Configuring **Hibernate** properties, that defines the connection to the **Database**
* Created various Web services using **JAX-WS** and generated the **WSDL**
* Developed Business logic using **Java beans, Servlets, Interfaces and POJO** Objects
* Participated in QA and have valuable experience involving Functional **testing, Integration testing, and Performance testing**
* Developed user interface using **JSP, JSP Tag** libraries and third-party libraries to simplify the complexities of the application
* Used **Jenkins** for continuous build integration and deployment
* Developed and designed **Hibernate DAO using** HibernateDao Support and Hibernate Template
* Worked on the UNIX environment for development
* Integration and testing of different modules
* **Environment:** Hibernate, REST web-service, Spring MVC framework, JBoss, Core Java, SQL server, UNIX
* **CAMELOT – Hyderabad, India May 2013 – Aug 2014**
* **Software Developer**
* **Responsibilities:**
* Actively involved in **requirements gathering, Analysis, Conceptual Design while upgrading the project** on **Spring framework**
* Design **RESTful** Web services to create separate endpoints for different operations such that several clients can invoke the service for their business transaction processing
* Implemented the business logic to process transactions for rule evaluation under the generated Java **stubs/POJO'**s
* Used **Hibernate** API framework for object relational mapping which is based on POJO Classes
* Used **WS-Security** for authenticating **SOAP** messages along with encryption and decryption
* Extensive use of **Collection Framework** features like **Map, Object, List** to retrieve the data from Web Service, manipulate the data to incorporate Business Logic and save the data to **SQL Server** database
* Developed SQL queries, stored procedures, and triggers for getting data
* Involved in **JUnit** test cases to test the application
* **Testing and bug fixing** to reach the end-to-end flow
* Consistently meet deadlines and requirements for all production work orders

**Environment**: Core Java, spring MVC, Web Services, Hibernate, SQL Server, web logic

**Education Details:**

Master of science in Information Studies from Trine University (Dec 2021)

Master of Science in Electrical & Electronics Engineering from Wright State University (Dec 2015)

Bachelors in Electrical & Electronics Engineering from JNTUH, India (May 2013)