Name: **Satyanarayana S**

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Phone: **(380) 388-3683**

**PROFESSIONAL SUMMARY:**

* About 10+ Years of experience in all the phases of software development life cycle which includes **Analysis, Design, Development, Implementation, Integration, testing and Maintenance** of Java & J2EE applications using **Agile** and **waterfall** methodologies.
* Extensive hands-on development in various Spring components **Spring, Spring Boot, Spring MVC, Spring Batch, Spring Securities, Spring IOC, EJB, Struts, Servlets, JDBC, Spring JPA, Hibernate.**
* Experience in developing scalable **microservices-based applications** using **Java, Spring Boot** and **Kubernetes**.
* Expertise in Core Java concepts like **Collections, Multi-Threading** etc**.**
* Experience using J2EE Design Patterns like **DAO, MVC, Singleton, Prototype and Factory Pattern** for reusing most efficient and effective strategies for new development.
* Involved in producing and consuming **SOAP**, **Restful web services** using **WSDL, SOAP, JAX-WS, JAX-RS, JSON, XML, Jersey, Spring REST.**
* Expertise in writing **SQL queries & PL/SQL- Stored Procedures,** **Functions, Triggers, Sequences, Indexes and Views.** Comfortable working with **SQL Server, IBM DB2 and Oracle databases.**
* Worked with **MongoDB** to store non-relational data into the collection and retrieve them whenever required.
* worked extensively on **Spring Security using JWT and OAuth** token-based authentication.
* Good experience in working with Application/Web servers like **WebLogic 10.x, JBoss EAP 7.x.x, WebSphere 7.x** and **Apache Tomcat 7.x & 8.x**.
* Expertise in working with various **Amazon Web Services (AWS)** Components like **EC2, S3, EBS**, **AWS Lambda, CloudFront, Elastic cache, Cloud watch, SQS, SNS, RDS, Elastic search, Elastic Load balancer, Elastic Beanstalk.**
* Expertise in using source code control systems such as **GitHub, SVN** and **IBM ClearQuest**.
* Experience in writing technical documents like Functional Requirement Document, Detail Design, creating screen mockups, Test Cases, Conducting Code/Peer Reviews, Testing (Unit and Integration).
* Worked on **Splunk** which is helpful to trace errors and for overall health check on the application.
* Wrote **JUNIT & Mockito test cases** for **unit testing.**
* Used Spring **Kafka** API calls to process the messages smoothly on Kafka Cluster and wrote **Kafka** producers to stream the data from external rest APIs to **Kafka** topics.
* Used **Kafka** for Publish/Subscribe pattern in applications dealing with messaging.
* Experience in tracking defects, issues, risks using **Rally**, **Jira, ClearQuest**, and **ALM.**
* Efficiently used build tool **Maven, Ant** for application deployments in both **windows and UNIX** **environments.**
* Used **Log4J API** for **logging** and **debugging.**

###### Self-motivated and quick learner of new concepts and technologies.

**TECHNICAL SKILLS:**

| **Technologies** | Core Java, Java 1.8, J2EE, JDBC, Servlets, Spring, Web Services, Spring Boot 2.3.0, Spring MVC 5.0.3, Spring Batch, Struts |
| --- | --- |
| **Database** | SQL Server, Oracle 10g,11g, IBM DB2, MySQL, MongoDB |
| **ORM Frameworks** | Spring Data JPA, Hibernate |
| **Web Services** | SOAP, JAX-WS, JAX-B, WSDL, Restful, Jersey, Rest Template |
| **Web/Application Servers** | Apache Tomcat 7.x/8.x, JBoss EAP 7.x.x, IBM WebSphere7.x, WebLogic 10.x.x. |
| **Deployment environment** | OpenShift container, AWS, Kubernetes |
| **IDE’s** | IntelliJ, STS, Eclipse, Microsoft Visual Studio, JDeveloper |
| **Source Control** | GitHub, SVN, IBM Clear Case |
| **Build Tools** | Apache Maven, Ant, Gradle |
| **Testing** | Junit, Mockito, SoapUI, Swagger, Postman |
| **Bug Tracking tool** | ALM, CA agile central, Jira, Kanban |
| **Work environments** | Agile, Waterfall |
| **Other tools** | Splunk, Swagger, Dynatrace, WinSCP, VMWare Horizon client, Jenkins, Sonar, Fortify, Putty, BlueZone session manager, Openlens, Google SDK |
| **Queue** | RabbitMQ, Kafka, Redis |
| **Operating Systems** | Windows, MAC OS, Unix/Linux |

**PROFESSIONAL EXPERIENCE:**

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

**Sr. Java Developer**

**Description**: WVIE projects develops the integrated eligibility system which is used by the West Virginia state residents to apply for Health, SNAP, TANF, Childcare, Child Support, SCA benefits and WV state can determine their eligibility. This product involves implementing multiple modules to support business like Account management & Administration, Application entry & maintaining client information, Screening eligibility & Determination, verification, benefit determination. It provides worker alerts/notifications to take appropriate action. It also includes renewals functionality for automated eligibility checks. It accepts documents, disenrollment process, consent management etc.

**Responsibilities:**

* Working in agile methodology 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 user 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.
* Implemented data modeling strategies in **MongoDB** to accommodate evolving business requirements while maintaining optimal query performance.
* Optimized database queries and operations using data structures like indexes to minimize response times and improve overall system performance
* Expertise in design patterns such as **Singleton, Prototype and Factory patterns.**
* 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 requirements 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.**
* Experience with messaging systems like **Kafka** and **Kafka** event sourcing
* Used **Micro services architecture** with Spring boot bases services interacting through a combination of rest and **Apache Kafka** message brokers
* 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** and Kubernetes container after **Docker** image was created.

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

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

**Role: Java Developer**

**Description:** DCFProject is developed for Florida state residents to apply for FA/CASH and Medicaid benefits and determine their eligibility based on earned employment income. This product involves implementing an Employment Income screen (AFEI) that displays the complete employment information for each individual 18 and above in the household. The Individual declared employment income then FDSH/Work Number verified wage information of the individual is collected and validated to fill the AFEI screen. TIP (Time saving Innovation Process) will execute the current functionality to use income from SWICA when the call to the Work Number (TWN) wages verification service is not successful/No match.

**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, JDBC, Web Services (SOAP, REST)**.
* Involved in Design & Develop the Micro Services based on **Restful API** utilizing Rest Template
* Used **JPA, hibernate** as an O/R mapping tools for selecting, inserting, and updating the records in the database.
* Apache **Kafka** was used to send message objects to client queues and topics
* 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 implementing **AWS** solutions like **EC2, S3, IAM, 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, Kafka, Jenkins, GitHub, IBM Clear Case, BlueZone session manager, Mainframes**.**

**United Health Group (OPTUM) – Eden Prairie, MN April 2018 – Dec 2020**

**Java Developer**

**Description**: WVIE projects develops the integrated eligibility system which is used by the West Virginia state residents to apply for Health, SNAP, TANF, Childcare, Child Support, SCA benefits and WV state can determine their eligibility. This product involves implementing multiple modules to support business like Account management & Administration, Application entry & maintaining client information, Screening eligibility & Determination, verification, benefit determination. It provides worker alerts/notifications to take appropriate action. It also includes renewals functionality for automated eligibility checks. It accepts documents, disenrollment process, consent management etc.

**Responsibilities:**

* Worked on **Microservices, Spring boot , Spring data, Spring security, JWT token** Mechanism
* Worked on eSignature functionality and integration with **DocuSign APIs** during application submission flow.
* Coordinated between functional and technical system requirements.
* Configured and deployed application in the Cloud environment using **AWS**.
* Implemented the Data model definition using **REST API** service
* Developed applications using **Spring, Hibernate, Restful services, Core Java, Collections, Multithreading.**
* Provided Services required to validate Services using **Postman**, **Swagger**.
* 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.
* 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.
* Hands on with **Swagger, Git, Jenkins & Maven**
* Used **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** etc..).
* **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.
* Resolved technical issues arising from the integration of different modules created by different teams like UI Team, Data team, Cloud team, followed Agile methodology.
* Experience in Microservices development using **Docker, Kafka**
* Used **Splunk tool** to trace the errors using business correlation ids.
* Debugging, tracking, and fixing the bugs in the code for defect free environment.
* Responsible for using the **Sonar** tool for the **Quality code**.
* Deployed the application in **OpenShift** container after **Docker** image was created.
* Participate in Production code deployment and perform deployment tasks for a smooth Production release.

**Environment:** Java 1.8, J2EE, Spring Framework 5.0.3, Spring Boot 2.3.0, Spring Data JPA, Oracle 11g, Tomcat 8, Swagger, 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**

**Description**:DEC is dedicated to working with the citizens and businesses of New York while preserving and enhancing the natural resources of New York. In partnership with individuals and organizations, DEC staff manage fish, wildlife, forests, parks, air, and water resources while promoting a healthy, sustainable environment and a full range of outdoor opportunities. Participate in creating application technical architecture document with the help of frameworks Java, spring boot to provide deliverables in line with architectural requirements.

**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, Struts, Spring Tool Suite (STS), Log4j, Agile, JUnit, Mockito, SVN, JIRA, Jenkins, Maven

**Verizon** – **Alpharetta, GA**    **May 2015 – March 2017**

**Software Developer**

**Description**:Chat Bot App uses Artificial intelligence and Natural Language processing to give the responses based on the user conversation intent. The conversation has system action which will call Micro services to get the response. The Chat bot is used in Mobile and Verizon platforms. This application is built using Microservices using spring boot, REST.

**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** Hibernate.
* 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 (May 2013)