**Name : Prasanthi sanduri**

**Email Id :** [sanduriprasanthi@gmail.com](mailto:sanduriprasanthi@gmail.com)

**Phone No:+1 (971) 380-6804**

**Professional Summary**

I'm a passionate technologist with 9 years of experience as a full stack developer in integrating, and designing service-oriented applications using **Java, JEE technologies and UI frameworks**. Experience in **Microservices Architecture** with **Spring Boot, Spring MVC, RESTful Services, Docker and Cloud**. Comfortable with everything between **API** and infrastructure layers, **Messaging (Kafka)**, **NoSQL**, event sourcing, and stream processing.

**Skills & Abilities**

* Hands-on experience in **Microservices**, **container-based** architecture design, near real-time data analytics solution design on modern infrastructure platform like **AWS** Cloud
* Having good experience in designing enterprise applications with**Java11**, **Spring boot** and **Spring** standards like **DI/IOC (Dependency Injection/Inversion of Control), Spring MVC with JAX-RS, Spring Integration and ORM**
* Specialized in designing **REST API** driven solutions by following Continuous delivery, Infrastructure Automation, Containerization, System at scale.
* Excellent working background in building **with JAX-RS Restful** Web Services using **XML**, **JSON** objects.
* Good hands-on experience with event schedulers using **Spring Scheduler** and **Apache Kafka** with **Avro schema.**
* Having good experience in designing and programming Java-based **cloud native** applications
* Having good experience in data processing using **Spring batch** and **Apache Kafka**
* Hands on experience on UI development and design using UI frameworks like **Angular**, **React** and **Bootstrap**
* Having good experience in AWS concepts SNS, SQS, S3, DDB, and provisioning **AWS** Infrastructure using **Cloud Formation Templates**
* Having good experience in Containers Orchestration using **Docker &Kubernetes**
* Hands on experience in **Dev-Ops CI/CD Pipeline as Code** and good knowledge on writing **Infrastructure as Code** for cloud systems to enable One- Click deployment for cloud-based application.
* Implemented DAO layer using **Hibernate** ORM framework.
* Having Good experience with Relational databases like **MySQL, Oracle, DB2** and **Cassandra NoSQL**
* Having experience of data ingestion and search tools using **Cassandra** and **sonar** with **Apache Data tax**
* Development activities with domain expertise supported by thorough understanding of **OOPs**, **OOAD**, **UML**, **IOC**, **Core Java** and **J2EE Design patterns.**
* Implemented Kafka producer and consumer application using **Avro** schema.
* Hands-on Experience on adapting and socializing **AgileScrum**&**Kanban** at enterprise level

**Technical Skills**

**Cloud Computing:** Amazon EC2, Autoscaling, CloudFormation, Elastic Beanstalk, AWS Lambda

**Spring Cloud Frameworks:**  Eureka, Spring Cloud Config, Spring Zuul, Spring Cloud Sleuth, Zipkin

**Programming Languages:**  Java, Angular, React JS, Node Js, Vue JS

**Programming Framework:** Spring Boot, Spring MVC, Hibernate, JAX-WS, JAX-RS, REST, SOAP, JUnit, Cucumber

**Streaming & Messaging:** Apache Kafka, Amazon SQS, Amazon SNS

**NoSQL Database:** Cassandra

**SQL Database:** MySQL, Oracle, DB2

**Tools:** Jenkins, Maven, Gradle, Artifactory, Docker, Sonarqube, Git, Splunk, Solr, Kubernetes

**Container Orchestration**: Docker Swarm

**Methodologies:** Agile, Scrum, Scaled Agile, Test-Driven Development, BDD, Blockchain

**Educational Exposure**

**Master of Engineering** (M. Tech) in Computer Science and Engineering –Jawaharlal Nehru Technological University **(2014-2016)**

**Bachelor of Engineering** (B. Tech) in Information Technology –Jawaharlal Nehru Technological University **(2007-2011)**

**Professional Experience**

**Client: State Farm, Burlington, TX Jan 2021 – Present**

**Role: Senior Java Developer**

**Project Description:**

**State farm** – State **Farm** will continue to be the leader in the insurance industry and will become a leader in the financial services arena. customers' needs will determine their path. mission is to help people manage the risks of everyday life, recover from the unexpected and realize their dreams.

Fulfillment Application – Customers may always choose to purchase only one policy, but the discount for two or more purchases of different lines of insurance will not then apply. Savings, discount names, percentages, availability and eligibility may vary by state.

**Responsibilities**

* Design the **Spring BootMicroservice** applications to run and auto scale in PaaS environments
* Understand complex systems requirements as per system design and architecture in order to develop the application platform framework
* Defined standardized interfaces and communication channels with upstream/downstream systems.
* Prepare high-level design solution using new banking architecture, patterns and defined process
* Design and implement the contracts of **REST APIs** using **Swagger**
* Implemented Event mechanism to publish bulk activity events using **Kafka** and **Avro**
* Developed cloud based Spring boot MicroServices using **Spring Cloud** stack to perform search, view, download & print documents from Archives usingrest APIs
* Good experience on working with Amazon Web Services like ECS, S3, SQS, SNS, IAM, Cloud watch
* Implemented **Java REST APIs** and integrated with **React**and **Angular applications**
* Developed DAO module using **Hibernate** and **JPA**
* Developed **Vue Js** build application consuimg JSON data from Rest Services
* **Active directory**was used to maintain the user credentials and also invloved in creating custom IAM policies
* **Ping Federated service** and **Trasmit** used to handle external user’s authentication and authorization
* Developed Profile certification workflow application using **Angular, kafa, springboot, spring cloud**
* Used True CD technologies for quality of product like**Junit, Component testing, Contract testing, Cucumber, Mutational Testing.**
* Logging and monitoring with**splunk**and **Dynatrace**
* Ensure all technical and process risks, issues and dependencies are effectively addressed and resolved proactively in discussion with all stakeholders.
* Developed Fulfillement application to fulfill user’s document mail or fax using **Spring batch** and **RESTservices**
* Implemented data **kafka producer** to push the data to **kafka topics** for processing documents mailing using **Avro Schema**
* **LEAD the team** from develpoing to deploying to prod on external users authentication module.
* **Provided solution** for linedata large files download latancy issue
* **Proveded solution** of using **Mutational testing** to make sure unit test cases are handled properly
* Responsible for addressing prod or non prod on going issues on rotational basis
* Implement **CI/CD** pipelines using **Pipeline as Code** approach and deployed to Docker UCP
* Conducted code review to improve quality, security and efficiency of applications
* Collobrate with the business team to analyze, understand evolving business needs and its scope
* Responsible for analyzing local business needs, local country IT systems and local market needs, and will present proposals that include high level technical solutions to relevant stakeholders

**Tech Stack**: Java 11, REST, Spring Boot, Spring cloud, Kafka, Hibernate, AWS Cloud,Active Directory, Docker, Docker Swarm, Bitbucket, Artifactory, Vue Js,Splunk, Dynatrace, JMeter, SonarQube, IBM Daeja viewer, IBM Line data viewer, DB2, Oracle, Spring batch, Avro, Jenkins, Kubernetes

**Client**: **Delphi, Detroit, MI Jan2019 – Dec2020**

**Role: Senior Java Developer**

**Project Description:**

**Delphi**- Delphi Technologies aftermarket provides OE specification end-to-end solutions from components to sophisticated software solutions. With a wide-ranging portfolio including gasoline fuel systems, diesel fuel systems, maintenance solutions, engine management and vehicle electronics, backed by OE-level diagnostic and test equipment, training and technical information, Delphi Technologies enables garages to service and repair vehicles right the first time.

**Responsibilities**

* Participate in the requirements gathering, understand functional requirements and do in-depth impact analysis and strategize technical solutions to the achieve business goals
* Hands-on experience on developing event-driven **Microservices** with **Java 8,SpringBoot**, **AWS Cloud architectures**, **Dockerization**, **Apache ZooKeeper** and **Kafka**
* Configured **Kafka brokers and clusters** for data transfer between nodes
* Implemented **Kafka producers and consumers** to send/receive data to/from nodes.
* Implemented **REST APIs** to load the data and to pull the reports
* Responsible for providing advanced technical support to project teams throughout the project lifecycle regarding technology platforms, solution design, security, debugging, profiling, and performance tuning
* Written Sql procedures to create blocks and hash them using hash functions in sql.
* Hands-on experience in triggering events using cron expressions and **spring schedulers.**
* Used **Solr** search tool to query the data based in criteria.
* Hand-on experience in writing Solr apis to fetch data
* Written Java utitlity program to load data from RDMS to Cassandra.
* Implemented complete **CICD Pipeline** which will automate code check in to production deployment in a click of button
* Responsible for converting business problems into technological solutions, primarily around design platforms which include operational concept development, system design, component integration, and design reviews and platform testing throughout the life cycle of projects to ensure excellence in product/service delivery and customer satisfaction
* Review the code and artifacts for the team and manage the customer expectation

**Tech Stack**: Java 8, Spring Boot, Spring Data, Apache Kafka, Zookeeper, Elastic Search, Cassandra, Docker, Python, Shell Scripting, AWS Cloud Formation Templates for provisioning AWS infrastructure and AWS services like EC2, S3, Lambda for cloud management, Jenkins Pipeline, SonarQube, Artifactory, Fortify. Solr

**Client:Jasper Technologies, Mumbai, India May 2013 to Sep 2018**

**Role: Java FullStack developer**

**Project Description:**

**KTM** is a simple, easy-to-use school administration system that helps schools to automate various critical operations like Examination, Admissions, Fee management, Library Management, Communications from parents, managing student records, and results management.

**Responsibilities**

* Collaborate with the business teams to analyze, understand evolving business needs and its scope
* Understanding business requirements and translating them into technical specifications to include system level design and implementation details
* Worked in fast-paced, **Agile/Scrum**, test-driven development environment
* Service Oriented Architecture (**SOA**) is implemented using WebService technology of JAX-RS
* Involved in developing the **REST**API for the WEB, Android and iOS applications using **Springboot**
* Implement Client to server application usnig **Spring-MVC**
* Developed Report Card Designer to design template easily and customizable to using **CK Editor**
* Developed UI using **Bootstrap CSS, JQuery, JSP, HTML, DWR** and **Java Script.**
* Involved in developing the core business logic using **Java, J2EE, Spring and Hibernate**
* Spring IOC was used for setting **dependency injection** between the web-layer, service layer and **DAO** layer
* Implemented **JAVA/J2EE** design patterns such as Factory, Template, Builder, DTO
* Developed Object Relational Mapping using **Hibernate** to communicate with database **MySQL**
* **Hibernate** ORM tool, HQL was used for interaction of DAO Layer with MySQL Database
* Responsible for fixing all the issues and the enhancements to be made
* Prepared Test cases and Unit testing using **JUnit** - following **TDD** approach
* Performed load testing using **JMeter** and implemented Health Status Dashboard for external service providers
* Used Apache Maven as the software build tool and Log4J for logging errors and messages, Jenkins for automation Build

**Tech Stack:** Java/J2EE,ApacheMaven, JUnit, JMeter, MySQL, Spring, Hibernate, Jenkins, GIT, STS, Log4J, REST Web Services, Jenkins, Eureka, CK Editor

**Client: Jasper Technologies, Mumbai, India July 2012 to May 2013**

**Role: Java Developer**

**Project Description:**

**MFS**-The Main Aim Of this project **MFS** (MICRO FINANCE SYSTEM) system helps MFI employees to keep track of the MFI operations. It facilitates maintaining records of the various products, clients, groups, and centers, and also enables MFS offer savings accounts and loans to the customers with low interest and without taking any proofs. The customer interface for MFS is through Loan Officers (LO).System operates in Remote Server mode only. No offline capabilities are implemented.

**Responsibilities**

* Involved in SDLC, Requirements gathering, Analysis, Design, and Development, Testing production of application using Waterfall model.
* Involved in the front end using JSP, JSTL JQuery, Servlets, HTML, CSS, JavaScript, and AJAX.
* Designing and developing Web UI using JSP, Servlets, HTML and JQuery.
* Designed and deployed the Java Beans in XML and retrieved the data from database using DAO.
* Developed the application using Struts Framework with respect to Model View Controller architecture.
* Developed Web Service client interface with JAX-RPC from WSDL files for invoking the methods using SOAP.
* Extensively worked on SOA and Web Services to get the data from third party systems and Configured JMS queues on server.
* Configured struts-config.xml, andweb.xml on the application.
* Responsible for development of configuration, mapping and Java beans for persistent layer (Object-Relational Mapping) using Hibernate. Used JDBC, SQL for storing and accessing data from Oracle and developed SQL scripts.
* Involved in unit testing, test case reviews and code reviews in accordance with applicable development standards.
* Used TFS for code version control and issue tracking.
* Developed server side application which handles the database manipulation with the back-end Oracle database.
* Interacted with BA team to get the requirements.
* Involved in design and development and scrum meetings.
* Providing production support for the application stability.

**Tech Stack:** Java, Struts, JDBC, JQuery, HTML, Ajax, CSS, JavaScript, XML, XSLT, Oracle, Log4j, Hibernate, Eclipse, JUnit, Tomcat Server, Maven.