Sai Anurag Varanasi

saianuragvaranasi@gmail.com . (817) 936 4609. LinkedIn://varanasisaianurag

Professional Summary

- 5 years of experience as a **Senior Software Engineer** in the development, testing, and implementation of multi-tier applications using **Java**, **J2EE**, **Spring**, **Hibernate**, and **Kafka**.
- Skilled in **RESTful Web Services**, Spring, Hibernate, and **Java 8 features**.
- Expert in building REST-based **Microservices** with **Spring Boot, Spring Data**, and **JPA**.
- Strong background in Microservice Oriented Architecture, including design and extensive testing.
- Experience with **NoSQL** databases like **DynamoDB, MongoDB** and **Cassandra**.
- Proficient in **AWS** services such as **Connect**, **S3**, **Lambda**, **IAM**, **KVS, Secrets Manager**, **EC2**, and **CloudFormation**.
- Worked with technologies like **Groovy Grails**, **HTML**, **CSS**, Rest Services, **JavaScript**, Spring, **Maven**, and Hibernate.
- Hands-on experience with Kafka streams for real-time data pipelines.
- Creation and injection of **Spring Services, Spring Controller and DAOs** to achieve Dependency Injection and to wire objects of business classes using **Spring Core** Annotations.
- Familiar with Kafka message partitioning and replication factors.
- Used **Mockito, Junit** and build tools such as **MAVEN**. Worked on **Log4j** for logging errors, messages and performance logs and **GitHub** for version control.
- Skilled in Microservices with Spring Boot and AWS Cloud, including Step Functions.
- Knowledgeable in **Kinesis scaling** and **performance tuning**.
- Proficient in **Docker** and container technologies for building Micro Service-Based applications.
- Extensive programming experience in **Core Java Concepts**.
- Database design, schema management, stored procedures, **SQL**, **PL/SQL**.
- Proficient with version control tools, including **Tortoise**, **SVN**, **GIT**, **Bitbucket**, and **GitHub**.
- Committed to adopting new technologies and offering practical solutions to business problems.
- Involved in identifying and implementation of different **J2EE** design patterns like **Service Locator, Business Delegate** and **DAO.**
- Ensures code quality with **SonarQube**.
- Dedicated to delivering excellence and making a significant impact as a Java Full Stack Developer.

Technical Skills (50+)

Programming Languages	Java, Groovy, Python, Scala, Perl, C
Frameworks	Spring Boot, Spring MVC, Spring IOC, Spring Transactions, Spring Security, Spring Batch, Spring ORM, Spring Tiles, Spring AOP, Hibernate ORM, JPA, Spring JDBC, Spring Integration, ReactJS, NodeJS, Sling and OSGI, Angular.
Web Application Servers	Apache Tomcat, JBoss, Glassfish, WebSphere.
Databases	PostgreSQL, MySQL, MongoDB, MSSQL, Oracle, Cassandra, DynamoDB.
Webservices and Message Services	SOAP, REST, Apache Kafka, RabbitMQ, IBM MQ.
Build and CI/CD	Maven, ANT, Jenkins, Docker, Kubernetes.
SDLC Methodologies	Waterfall, Agile (Scrum)
Testing	JUnit, TestNG, Selenium, Integration and System Testing.
Cloud Tools	PCF – Pivotal Cloud Foundry, CloudWatch, CloudFront, Elastic Beanstalk, EBS, IAM, Azure.

Education

University of Texas at Arlington   January 2022 - May 2023

- Master of Science in Data Science

Sathyabama Institute of Science and Technology   August 2014 - April 2018

- Bachelor of Engineering in Electronics & Telecommunication.

Virtusa   **Senior Software Engineer**   October 2020 – December 2021

Falcon & CGMJ App Development - Java, SQL, Perl, Spring Boot Framework

- Developed and migrated an application from **Perl** to Java using the Spring Boot framework to incorporate additional features such as investment banking, equities sales and trading, and other services.
- Involved in implementing the **Microservices** based on **RESTful API** utilizing **Spring Boot** with **Spring MVC**.
- Implemented the application using **Spring IOC, Spring MVC Framework**, **Spring Batch** and handled the security using **Spring Security**.
- Configured VM's on **Azure Cloud** and deployed applications.
- Working on building streaming data pipelines using **Kafka Streams.**
- Created ADD ON UI for business users to upload manual orders using **ReactJS, NodeJS.**
- Implemented **Kafka** messaging to pull in stock data from the queue and load it into **Oracle** table.
- Developed **RESTful** Web services for transmission of data in **JSON** format.
- Worked on creation of custom **Docker Container Images**, tagging, pushing images, integration of **Spring boot**.
- Extensively worked on **Hibernate** Cache, Query, Criteria and Transactions in secondary project.
- Testing for Node.js is conducted using **Mocha** and **Chai**, while for Spring Boot, I employ **Mockito**, **JUnit**, **JMeter**, and Mock MVC, following a Test-Driven Development approach.
- Developed the **Docker** Containers and **Docker** consoles for managing the application life cycle.
- Integrated existing projects hosted on the AWS cloud platform with AWS **CloudWatch** for monitoring, and configured log data to be visualized and analyzed using **Elasticsearch** and **Kibana**.
- Achieved continuous integration through **GIT and Looper**.

Algobrains Technologies Pvt Ltd   **Software Engineer**   February 2017 – September 2020

- Analysis and understand the business requirements and implemented the process using **Agile (Scrum) Methodology.**
- Worked on **AWS Lambda, Amazon connect, Amazon S3, DynamoDB, IAM, Secrets Manager, CloudFormation, AWS CLI, CloudWatch and EC2**
- Experience with **AWS Step Functions SDKs, APIs,** and using **AWS CLI** or **AWS Management Console** to create and manage state machines.
- Proficiency in using **Kinesis Data Streams**, **Kinesis Data Firehose**, and **Kinesis Video Streams** to collect, process, and analyze streaming data from a variety of sources, including social media feeds, and application logs.
- Used Microservice architecture with **Spring Boot**-based services interacting through a combination of **REST** and **Apache Kafka** message brokers and worked with **Kafka** Cluster using **Zookeeper** and **Scala** microservice.
- Integrated messaging technologies, such as **MQ**, JMS, or **Kafka**, for reliable and asynchronous communication between different components of the system.
- Implemented **Fargate** integration with other **AWS** services, such as **ECR**, **ECS**, and **CloudFormation**, to build containerized microservices and applications.
- Designed and integrated the full-scale **Spring / Hibernate** persistence solution with the application architecture.
- Implemented Object Relational Persistence (**Hibernate**) for the domain model.
- Implemented **Multithreading, Concurrency, Exception Handling and Collections** whenever necessary.
- Worked on **XML and JSON** for transferring and retrieving data between different applications.
- Used Web Services for creating rate summary and used WSDL and **SOAP** messages for getting useful plans from different modules.
- Worked on development and implementation of the **MVC Architectural Pattern** using **Spring Framework including JSP and Servlets.**
- Created UI for using **React JS** for business users to check the alignment of the items.
- Worked in wide-area network to maintain all the device related data onto **MySQL** database.

- Certified Microsoft Technology Associate.
- Achieved certification for Career Essentials in Software Development by Microsoft and LinkedIn.
- Java Skill Certification from HackerRank.