Swetabh Srinath

swetabhsrinath01@gmail.com   ☎   9572549157   *Swetabh Srinath*

Java Full Stack Developer with 5.8 years of experience plus Java Data Engineer.

Synopsis

Java Fullstack developer with 5.8 years of experience with Java Data Engineer in designing and developing web applications using Microservices architecture.

- Experience in developing distributed, scalable applications using GCP DataFlow, BigQuery, **Spring Boot, Spring Cloud, Business Workflow Automation Tool (BPMN, JBPM, DMN, Trisotech).**
- Proficient in end to end **Software Development Life Cycle (SDLC).**
- Experienced in Agile Development methodology (**Agile SCRUM**).
- Good experience in developing applications using **Microservices** architecture.
- Core Technology / Framework competencies – **Java, React Js,Angular 8, Spring, Spring Cloud, Spring Boot, Spring AOP, Spring Batch, Spring Transactions, Spring Data JPA, Hibernate.**
- Areas of interest – Amazon Web Services, DevOps, Data Science.
- Strength – Sincere and determined, trustworthy, quick learner, optimistic.

Technology Skills

• **Languages** – Java /J2EE	• **Technology / Framework** - Microservices, Spring Boot, Spring Cloud, Spring, JPA, AWS, Jenkins, Docker,GCP-Dataflow,GCP-Bigquery,Gcp-Scheduler, GCP-PubSub,GCP-CloudFunction,GCP-CLoudRun
• **Web Technologies** – Angular 8, Bootstrap	• **Business Workflow Automation Tool** – BPMN, JBPM, DMN, Kcommunicator, Trisotech
• **Version Control** - GIT, Bitbucket, Github, SVN	• **Operating Systems** – Windows
• **Database** – DB2, Oracle, Sql Server, Mongo DB	• **IDE** - Intellij, Webstorm, Visual Studio Code
• **Other Tools/Technologies** – Docker, Jenkins, OpenShift Container Platform/ Kubernates, Prometheus, Grafana, Kafka, Digital AI,Teamcity, Jira, TFS(Team Foundation Server), • Kibana, ELK/EFK,APM(Application Performance Monitoring), Putty, MobaXterm	

Employment Chronicle

- Worked as **Senior Software Engineer at Ford, Chennai**, **India from October 2023 to January 2025**
- Worked as **Technical Lead at HCL Technologies Ltd, Noida**, **India from November 2021 to August 2023**
- Worked as **Senior Associate (**Developer**) at Synechron Technologies Pvt Ltd for Citi Bank, Chennai, India from June 2020 to Oct 2021**

- Worked as **Associate Professional** (Developer) at **Sutherland Global Services**, **Chennai, India from March 2019** to **February 2020**

Education
- **Bachelor of Engineering in CSE** from Technocrats Institute of Technology, Bhopal – **2013 - 70%**
- **HSC (CBSE)** from BRL DAV Public School, Bokaro, Jharkhand – **2009 – 74.3%**
- **SSC (CBSE)** from BRL DAV Public School, Bokaro, Jharkhand – **2007 – 80.2%**

Project Details

Project at Ford Motor

Project – LMP(License Management Product) and WCMIA(Wireless Carrier)

Project Description

LMP manages vehicle related hardware & software licenses that include:

3rd party intellectual property,3rd party cloud access fees and Supplier royalty payments and Wcmia was involved in supplying information to LMP as part of cost which is being generated from carrier being used in devices

Technologies Used
Microservices Architecture, GCP Cloud,GCP DataFlow, ,Java 8,Big Query, PubSub, Spring Cloud, Spring Boot, Spring Transactions, Spring Data JPA, Hibernate, React JS, DB2

Roles And Responsibilities
Primary Role:

Develop and maintain backend services and APIs using the Spring Boot framework to support business and application requirements.

Responsible for designing, developing, and maintaining scalable data pipelines and cloud-based infrastructure on Google Cloud Platform (GCP).

Responsibilities:

1. **Data Pipeline Development:**
   o Design and implement ETL/ELT processes using tools like Dataflow, Apache Beam, or Cloud Composer (Airflow).
   o Develop scalable data ingestion frameworks for batch and real-time data processing.
2. **Cloud Infrastructure Management:**
   o Configure and manage GCP services such as BigQuery, Cloud Storage, Pub/Sub, Dataproc, and Vertex AI.
   o Optimize cloud resource utilization and ensure cost efficiency.
3. **Data Modeling and Integration:**
   o Develop and maintain data models for structured, semi-structured, and unstructured data.
   o Integrate diverse data sources, ensuring compatibility and reliability.
4. **Performance Tuning:**
   o Monitor and optimize the performance of data pipelines and storage solutions.
   o Troubleshoot and resolve data processing bottlenecks and latency issues.
5. **Security and Compliance:**
   o Implement GCP Identity and Access Management (IAM) policies.
   o Ensure data security and compliance with company policies and regulatory standards like GDPR or HIPAA.

6. **Collaboration and Documentation:**
   o Work closely with data scientists, analysts, and application developers to meet project requirements.
   o Maintain clear documentation for data workflows, pipelines, and processes.

7 **Application Development:**

- Design, develop, and deploy microservices and APIs using Spring Boot.
- Implement business logic, data access layers, and integration points.

8 **API Design and Integration:**

- Create RESTful APIs and ensure seamless integration with frontend or external systems.
- Consume third-party APIs and handle integration challenges.

9 **Database Management:**

- Develop database schemas and manage data interactions using JPA/Hibernate.
- Optimize queries and ensure database consistency and performance.

10 **Performance Optimization:**

- Conduct performance tuning for application components.
- Implement caching mechanisms using tools like Redis.

12 **Security Implementation:**

- Integrate authentication and authorization mechanisms (e.g., OAuth2, JWT).
- Ensure application security against common vulnerabilities (42Crunch).

13 **Testing and Debugging:**

- Write unit and integration tests using JUnit, Mockito, or other testing frameworks.
- Debug and troubleshoot application issues in development and production environments.

14 **Collaboration and Documentation:**

- Collaborate with frontend developers, GCP engineers, and DevOps teams.
- Document code, APIs, and key application workflows for maintainability.

- Led requirements gathering for migrating a Qliksense app to a single page applicationfor Digital Parts License Management Team. Successfully developed a proof of concept, culminating in the delivery of a minimum viable product.
- Engineered a backend with Spring Boot, Hibernate ORM, and Spring Data JPA. Implemented OAuth 2.0 security, role-based access control(IAM), and standardized API documentation with Swagger and Postman. Managed diverse REST API endpoints with Spring MVC for effective communication between client and server.
- Deployed on GCPCloud run using Jenkins (CI/CD), managed configurations with Spring profiles, and ensured code quality with JUnit, Mockito, 42Crunch, and SonarQube.
- Created a dynamic React frontend with Redux for state management and TanStack Query for efficient data operations. Used Material-UI for design consistency, React hooks for state and side effects, and Jest for thorough testing.
- Extended dataflow using beam SDK for ETL pipeline process to ingest data from various sources and load it into big query table and store it as .xlsx in cloud storage on GCP.

Project -TSS 2.0 Payroll @ BNSF

Project Description

- TSS 2.0 is a payroll platform to support today's and tomorrow's payroll in a modern architecture to serve BNSF for the next 20+ years It transforms the payroll experience for employees. It can serve local small businesses to global conglomerates and will be able to revolutionize the way they pay employees. TSS 2.0 is a policy-based, person-centric which can be federated across the globe. Its microservice architecture maintains the payroll always in a calculated state

Technologies Used

Microservices Architecture, BPMN, DMN, JBPM, Spring Cloud, Spring Boot, Spring Transactions, Spring Data JPA, Redis, Hibernate, Angular 8, DB2

Roles And Responsibilities
- Develop user interfaces that are aligned with design specifications
- Develop and commit to Sprint objectives and tasks
- Worked on Workflow Automation(BPMN) and DMN tool
- Collaborate with Dev Team members and Product Owners.Implemented service task specification for BPMN using Spring Boot Data JPA
- Worked on Angular to develop operations dashboard. Investigated system issues and implemented resolutions to reduce downtime.
- Improved systems with addition of new features and infrastructure.
- Researched and adopted new technologies to add value to existing offerings.

Project at Synechron Technologies Pvt. Ltd(Citi Bank)

CitiFxGateway (SinglePipe) @Citi

Project Description

SinglePipeService is an intermediate service which converts the request send from upstream to downstream. It acts as a mediator between upstream and downstream system which is responsible for in-out of the system. Incoming request came from the client in the form of FIX,JSON,SFTP.

Technologies Used
Java 8, Spring Cloud, Spring Boot, Spring Data JPA, Spring Rest, Oracle,Teamcity, Docker

Roles And Responsibilities:

- Involved in design and development of *Singlepipe* using Spring Boot as Backend and Angular as Frontend Framework and DevOps tools for deployment.
- Worked in agile framework as an individual contributor Responsibilities include - Interaction with Business team in story grooming, reviewing story/acceptance criteria.
- Implemented REST Microservices using spring boot. Generated Metrics with method level granularity and Persistence using Spring AOP and Spring Actuator.
- Designed, developed and implemented software applications for website based on analyzed requirements andunderstanding of industry technical standards.

Project at Sutherland Global Services

SmartPRA (Passenger Revenue Accounting)

Project Description

SmartPRA (Passenger Revenue Accounting) is the next-gen SAAS platform of Passenger Revenue Accounting for Airlines. Developed using highly scalable distributed technology architecture, the platform is supported both on-cloud / hosted and on-premise deployment models. The platform uses Microservices architecture for scaling individual components and loose coupling. Spring Cloud components like Zuul, Spring Cloud Config, Eureka, etc. are used for distributed technology. Major modules of PRA are – Proration, Sales, Flown, Accounting, Interline, Tax, Workflow and Exception Management, Dashboards and Reports.

Technologies Used

Microservices Architecture, Java 8,Spring Cloud, Spring Boot, Spring Data JPA, Spring Rest, Hibernate, Angular 8,AWS,Jenkins, SQL Server

Roles And Responsibilities

- Involved in design and development of Sales module using Spring Boot as Backend and Angular Front end
- Developed complex functions like Input-Output dashboard, Sales Dashboard
- Involved in understanding file loading of BSP (Billing and Settlement Plan).
- Designed and developed Dashboard User interface using HTML, CSS, Angular.
- Created API's for I/O Dashboard and Sales Dashboard.
- **Involved in Writing Services for Ticket Query, Ticket Capture.**
- Optimize angular code using feature module and lazy loading.

Personal Profile

Date of Birth	-	30-Sep-1992
Sex	-	Male
Marital Status	-	Married
Linguistic Capability	-	English, Hindi
Nationality	-	Indian
Passport #	-	**Z3123423**
Present Address	-	Vijeta Vihar House No -23 ,HSR Layout,Bengaluru,Karnataka,560102
Permanent Address	-	Flat No D1, First Floor, Golden Tower, Hirapur, Dhanbad(JH) - 826001