

Sandeep Godara

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Career Objective:

To obtain a position in the leading software industry, where I can utilize my talent to enhance the growth of the organization that enables me to develop myself as a professional and permits scope for advancement.

Professional Summary:

- Proficient IT professional with analytical abilities and skills with **7+ years** of IT experience on various enterprise applications.
- Proficient in functional programming (lambda (pure, high order, partial functions), immutable structures) and event driven reactive, resilient systems.
- Strong skills in stream processing (back pressure) using AKKA Streams, Storm, Spark and Java Streams.
- Extensive programming experience **with Java SE 8, Java EE, Spring Boot, JPA, Scala**, and good understanding of Kafka, AKKA, Elasticsearch, Hadoop, Storm, Play, React, Typescript, Postgres SQL.
- Extensive Hands on experience in Application Development tools like IntelliJ, Eclipse for building the system.

Technical Skills:

Languages	Java8, Scala, Typescript.
Technologies	Java SE 1.8, Angular (2+), React, Rx, Spring Boot (Web, Data, AOP), Scala, AKKA, AWS EC2, S3, Linux, Elasticsearch, Kafka...
Frameworks	Spring, Angular6, Junit, Scala-test.
Application Servers	Apache-Tomcat.
Scripts	Typescript.
Tools/Editor/IDE	IntelliJ, Eclipse, VS Code, Gradle, Maven, SVN, GIT.
Databases	Postgres SQL
Patterns/Standards	MVC, Functional Programming, TDD, BDD.

Professional Experience:

- Currently working with Sapient as Senior Associate since May 2019.
- Worked with **Motherson Sumi Infotech and Designs Ltd.** as **Sr. Software Engineer** Jan 2016 to May 2019 (**3.5 years approx.**)
- Previously worked with **Chetu Inc.** and **NIIT Ltd.** (**2+ years**)

Academics:

- **MCA** from S.M.U. in 2013.

Certifications:

- **OCPJP**

Projects Undertaken:

Project #1: Deal Monitor System (current).

Environment: Java8, ReactJs, Spring Boot, Kafka, Elasticsearch, Spring JPA, React, RESTful Web Services.

Description: The application is a monitoring system for traders to monitor various investment deals.

Role Description:

- Analyzing user requirements.
- Implement Data layer Spring Data JPA (JPQL)
- Implement Service layer with Java8.
- Implement web services with Spring rest.
- Designed the event driven architecture of React application with saga.
- Designed and created cohesive feature modules with React.
- Implemented pub-sub react-redux store.
- Write Junit unit and integration test.
- Write JMX operations for runtime state and operation management.

Project #2: TAX Collection System (Tax calculation and collection).

Environment: Java, Spring Boot, Micro-services, Spring REST, Spring Data JPA, MS-SQL GIT, Apache Camel, Java DSL, Gradle, Spring cloud Netflix.

Role Description:

- Design micro-service Architecture, HLD and LLDs as per requirements.
- Define Zuul routing and Implement Feign clients to community to micro-services.
- Implement EIP for integration using Apache Camel routing DSL.
- Implement Camel components and processors to build routes.
- Design domain data entities (JPA) and relationships.
- Design and development of data layer (JPA Repositories).
- Design and development of service layer (Java-8).
- Implement AOP for logging and error handling.
- Implement Keycloak security for Authentication and Authorization.
- Write JUnit unit test cases, integration test cases and mock objects.
- Write gradle build script for build automation and testing.

Project #3: Enterprise Legal Process (Governance of organization)

Environment: Java, Spring-boot, Spring REST WEB Services, Spring Data JPA, MS-SQL GIT, Apache Camel, Java DSL, Gradle, Micro Services.

Role Description:

- Design Architecture, HLD and LLDs as per requirements.
- Design domain data entities (JPA) and relationships.
- Design and development of data layer (JPA Repositories).
- Design and development of service layer (Java-8).
- Implement AOP for logging and error handling.
- Implement Spring Security for Authentication and Authorization.
- Implement Data level security for Tenants.
- Implement A-sync modules using AKKA.
- Write JUnit unit test cases, integration test cases and mock objects.
- Write gradle build script for build automation and testing.

Project #4: Real time analytics on streaming data.

Environment: Scala, Hadoop HDFS, Kafka, Storm, Influx DB, Gradle, Linux.

Description: This application analyzes real time production machines data and presents time series graphs and alert operators.

Role Description:

- Created HDFS Directory and file structure.
- Implemented Spouts to subscribe real time data from Kafka queue.
- Implemented bolts to analyze and clean data.
- Implemented bolts to persist data in Hadoop and Influx DB
- Configured Grafana to pick data from Influx DB and present time series graphs.
- Write unit tests using Scala-test.

Project #5: GSP (GST Service Provider)

Environment: Java8, Spring Boot, Spring Data, Spring Restful Web Services, Query DSL, Gradle, GIT, JQuery, Postgres.

Description: This GST returns filing application provides functionality where taxpayers can file various GST returns.

Role Description:

- Analyzing requirements.
- Design application architecture.
- Implement various technologies like Spring Data, Query DSL, Gradle multi project build etc.
- Manage dependencies for all sub projects.
- Implement generic utilities to implement DRY (data marshalling between rest models and JPA entities), and reduce complexity of code base.
- Implement Data layer with Query DSL and Spring Data JPA.
- Design and Implement library project to consume GST web services.
- Implement encryption decryption for request/response payloads.
- Implement build script to generate GST rest models with JSON schema and Query DSL meta-models.
- Implement service layer with Java8 (functional programming patterns with lambda)
- Write Junit unit tests and integration test with Spring Boot Test toolkit.

Project #6: Machine Simulator.

Environment: Scala, SBT, AKKA, Kafka Producer, Java NIO.

Description: This application simulates machines to emit metrics.

Role Description:

- Created Scala Service classes and Companion objects.
- Implemented AKKA actors to process inputs for n number of machines.
- Created supervisor and children actor hierarchy for async processing.
- Implemented Kafka message producer to push data in queue.
- Write unit tests using Scala-test.

Project #6: Instant Messaging Server.

Environment: Java, Spring, JPA, NIO, Socket Programming, Concurrency with threads, Non-blocking IO

Description: This is instant messaging application over internet (like whatsapp) made for doctors to chat and share patient medical history and reports. As the communication shall be encrypted to keep medical data private for patients as per US law, AES 256 encryption was implemented.

Role Description:

- Write JPQL and Criteria queries to implement Data Layer.
- Designed and implemented message protocol.
- Implemented server sockets using Java Sockets.
- Implemented multi-threading to handle client sockets.
- Implemented Service layer with Java7 (imperative programming)
- Code Optimization.

Personal Details:

DATE OF BIRTH	: 01-06-1983
FATHER'S NAME	: Sh. Chhabil Das
NATIONALITY	: Indian
GENDER	: Male
LANGUAGE KNOWN	: ENGLISH AND HINDI
CONTACT NO.	: 9891702428

I, Sandeep Godara declare that the above information is correct and true as per my knowledge.

Place: Noida

(Sandeep Godara)