SALIL GUPTA

Software Engineer

Profile

Working in Airtel for Inhouse Product Development team as Java Developer (Java + Big Data). Work on projects to store the big data into our system and develop applications over it.

Worked in TCS within Financial services domain as a System Engineer (TCSFS-Java Developer). Business Logic implementation and Direct Discussion with the client side regarding the root cause analysis about the bugs and defects associated with the application.

Work Experience and Projects

Java Developer – Bharti Airtel (Sep-2019 to Present)

- **Development of BI Tool** – Consists of Big Data Stack where raw data is transformed and being stored into the database. Several Java Applications runs over this stack to be used by Business Users.
  Technologies Used- HDFS, Hive, Kafka, Spark, Cloudera Manager, Filebeat and Cassandra database.
- **CDF Portal Application**- Web Application with proper User management. In this java layer has been integrated with NoSQL databases.
  Technologies Used- Java, Spring boot, Cassandra, HDFS, Hive, Presto, REST API, Thyme leaf, jQuery, Datatable API.
- **AutoSms Application/USSD Application**- Messaging application based on SMPP protocol.
  Technologies Used- Java, Spring boot, Spring scheduler, Redis.
- **Database Reconciliation Application**- Application to reconcile different database and modifications based on the business logics.
  Technologies Used-Java, Oracle Db, DB link, MySQL.
- **Report Management System**- Unix scripts running over database and generating reports for various used cases.
  Technologies Used- Unix scripts, SQL, Presto, Cassandra Database, Grafana.
- **MMS sending Application**- Integration with SOAP API using MM7 protocol to send MMS for various audio/video/image formats.
  Technologies Used-Java, Soap Client, Spring boot.
- **Automations**- Various kind of automations to ease work of business users.
  Technologies Used- Unix Scripts, SQL, Cronjob scheduling.
- **Reports portal** – Java based web application to view reports generated by reports management system.
  Technologies Used- Java, Spring boot, Thyme leaf, AJAX, jQuery, Datatable API, MySQL database, Hibernate.

Java Developer (Financial Services) - TCS (Mar-2017 to Aug-2019)

- **Banking Java web Application**- Learned about the business logic about the corporate actions (CA). Work on the defects and change request associated with the web application for CA used by the client (Bank).
- Use Java, SQL, UNIX, Apache tomcat and also alter JSP for UI modifications in the web application.
- Handle the RCA's and mitigation for the application in prod within the client network.
- Implementing Business Logic.

Skills

- Installation of Java, Tomcat, MySQL database, Redis, Filebeat, Presto on the Unix server, deployment of Java Applications, GIT and JIRA.
- Hands on experience in Core Java, JUnit, JDBC, Servlets, JSP, Hibernate, Spring Frame works and hands on in using Tomcat and Oracle database.
- Team player and also have ability to work independently.
- Adaptive to learn new technologies.
- Hands on experience on Spring boot, Spring MVC, REST API and using Maven.
- Hands on implementing Restful web services using JAX-RS and using spring boot to implement Restful API and various small-scale spring boot web applications.

Thesis and Published Papers

- Worked on device simulation of Mercury Cadmium Telluride photo detector on Silicon substrate using ATLAS by Silvaco International.
- Published a paper in Feb 2016 on A Review on Silicon-Based Photodetectors in IJIRSET.
- Published a paper in July 2016 on Mercury Cadmium Telluride (HgCdTe) pin photodetector on Si/SOI Substrate.

Education

- ME-Electronics- PEC University of Technology, Chandigarh (2014-2016).
- BTech (EC) - Noida Institute of Engineering and Technology, Greater Noida (2010 - 2014).