Ramya Ponnekanti

Email: ramyakanthc@gmail.com

Contact: +91 9912940919

**Skills Summary:**

* Having 4.9 Years of IT experience in Hive, Spark SQL, Spark, Scala, Apache Pig,Oozie, Kafka, Spark Streaming, Linux, SQL & sound knowledge in Hadoop, SparkSQL, Hive, Sqoop and SQL.
* Capable of understanding business requirements and shaping it towards meaningful business insights.
* Excellent understanding of Hadoop architecture and different components of the Hadoop ecosystem.
* Extensive work experience in **Spark, HDFS, Hive, Kafka , Sqoop,** **Scala.**
* Processing of large sets of structured, semi-structured and unstructured data and supporting systems application architecture.
* Developed Hive scripts for data analysis to meet the business requirements.
* Developed scripts, numerous batch jobs to schedule various Hadoop programs.
* Experience in data transformations using spark and storing into database and Hive.
* Better Understanding of the Hadoop Ecosystem and its major components
* A good team player has the ability to meet tight deadlines and work under pressure.
* Systematic approach towards assignment with good analytical thinking, reasoning ability and multitasking ability.

**Education Details :**

* Master of Technology from Jawaharlal Nehru Technological University, Kakinada in 2015.

**ProfessionalExperience:**

* currently working in PublicisSapient as Associate Data Engineer L2. May 2022 to Till Now
* Coforge Limited as a senior software engineer (July 2021 to May 2022)
* Honeywell it solutions (Dec 2017 to July 2021)

**Technical Skills:**

* Hadoop Frameworks – Hadoop, Hive, Sqoop, SparkSql, Spark-Scala, Apache Pig
* Storage Technologies - Amazon s3 ,HDFS
* Operating System – Windows, Linux
* ETL – Apache Sqoop
* Database –oracle, Sql
* IDE - IntelliJ Idea, Eclipse, NetBeans

**Project #1**

Client : TITAN

Skill Used : Sqoop, Hive, HDFS, Spark

Domain : Retail

**Description:**

Titan has three key divisions. Jewellery, Watches, eye wear. Each division has its own functions like marketing, merchandising, supply chain, retail etc. Only HR, Corporate Finance, CRM and IRSG are the common functions that cuts across all three divisions

**Responsibilities:**

* Creating Hive External tables on the top of Hadoop data which we receive from the ETL tool.
* Implementing SCD (Slowly Changing Dimension) Type2 logic in hive using joins.
* Validating the data between data stage and Hadoop.
* Importing the data from database to Hive using Sqoop and vice-versa.
* Created Automation Shell Scripts, Hive Scripts and Oozie workflows.
* Scheduling the jobs using Oozie.
* Validating the data between source and target tables

**Project #2**

Title : LCR rewrite

Skills : Spark core,Spark Sql,Hdfs, Hive and Scala

Domain : Banking and Finance

**Description:**

LCR mainly deals with automating transactional systems to reduce the manual work related to credit card and loan applications. It uses Hadoop related solutions and services to achieve high efficient decisions. The project is capturing all data into cloud stack based on open source technologies including Hadoop, Spark SQL and processes it. Meanwhile, leveraging Apache Spark to enrich and transform corporate data for analysis and real-time application.

**Responsibilities:**

* Extracted data from various source systems (SQL,oracle) to HDFS cluster using Sqoop.
* Implemented Hive UDFs to incorporate business logic into Hive Queries.
* Persisted and ingested high-throughput data in HBase.
* Processed semi-structured data into structured using Spark core API.
* Processed semi-structured data into structured using SPARKSQL.
* Importing data from NoSQL databases using SPARKSQL.
* Read and write operation with Parquet file using SPARKSQL.
* Performed joins between SchemaRDD and SQL tables.
* Create a Hive table and load data with SparkSQL.
* Worked on Oozie to automate data load jobs into HDFS and HIVE.
* Involved in managing and reviewing Hadoop log files.
* use JIRA for project tracking and Jenkins for continuous integration.

**Project #3**

Title : DIP

Skills : Kafka, Spark, Structured streaming, Scala

Domain : Retail

Client : Wal-Mart Global Tech India

**Description:**

This project is developed from scratch in three layers . One is ingestion, enrichment, rules building a state-of-art Data Ingestion & Processing engine which would replace existing Azure Stream Analytics to consume incoming real time sensor telemetry data from different assets and navigate through different stages within the framework, to provide accurate and real time alarms to different consumers like ODS etc. For downstream consumption. It also involves building an efficient rules engine for Asset rules and an on-the-fly configurable rules manager for business to manage rules.

**Responsibilities:**

* Created functions for validation Random data generation using different data types in data simulation.
* Development involves Certificate and password generation should be configured with hasiCorp vault, Service registry, Integration with CCM2.0 for Generic utility development.
* Running Docker commands to run particular modules .
* Deployment in kubernate cluster,logs resolve from pods.
* Deploy connector module in was cluster like Debezium, JDBC connector.
* Create instances for all environment -Dev, stage, prod
* CI,CD pipeline deployment in different environments using azure devops.
* Stream to static join POC Azure blob data source and performance metrics is compared.
* Deploys havoc and kitchen assets on dev, stage for Debezium connector module.
* Integration with secured Kafka broker, Kafka connector with single, multiple instance deployment.
* observed performance metrics of spark applications.
* Azure stream analytics job documentation , configuration, workflow diagrams.
* Jira dashboard integration with Agile methodology.
* Use Argo CD to synchronize and deploy an application from a git hub.
* Kafka for monitoring, operating data using real time streaming in lenses .