Vinayakram

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Objective:

A big data enthusiast working with various Big Data Technologies. Worked on multiple technologies such as Hadoop, Spark and tools like NIFI.Equipped with Unix shell scripting,Python,Spark, Scala and kafka

Executive Summary:

- Overall experience of 5 years and 3 months in Big Data.
- Having Hands on Experience with Hadoop Core Concepts like HDFS, Hive,spark,scala,kafka.
- Ability to process large sets of structured dataset and supporting systems application architecture.
- Exposure on Query Programming Model of Hadoop (Hive)
- Experienced in integration of various data sources like RDBMS, Spreadsheets, and Text files with HDFS.

Area of Expertise:

Area	Tools
Big Data Ecosystems	Hadoop, HDFS, Hive,Spark,python,scala,kafka
Hadoop Distribution	Apache Hadoop, Horton Works (HDP)
Programming Languages	Java
Scripting Languages	Unix shell scripting,XML, HTML.
Databases	Oracle
Platforms	Windows (7/8.1), Linux
Tools	Eclipse,Intellij
Methodologies	Agile, kaizen
Others	Putty, Winscp, Jira

Professional Experience:

System Analyst
SCB-GBS, Chennai. (Dec'15-Aug'16)
Customer: Standard Chartered Bank.
Domain: Banking.
Team Size: 3
Role: Developer.

Project Description:

The purpose of this project to load and process the huge Volume of structured transaction data from RDBMS system to HDFS file system and make it available for consumption/analytics.The system dealt with handling data from Transaction screening system,there by falling under Legal and Compliance.The business benefit of the project was that,history of transactions which were not abiding by the regulatory rules were captured in the data lake,thereby making it easy to form a pattern in the illegal transactions.

Process Flow:

- **Data Sourcing:** Data retrieved in daily basis from RDBMS system as delimited flat files .
- **Data Ingestion (Presenting):** On daily basis retrieved data's were loaded into HDFS in incremental manner.
- **Data Processing:** Loaded data's were processed by using Hive and Map Reduce.

Roles and Responsibilities:

- Path mounting and service key deployment to receive files from RDBMS system,at edge node of HDFS
- Created Hive tables to load large sets of structured data coming from RDBMS tables.
- Created Hive queries to analyze the dataset's based on business requirement.
- Developed shell scripts and fined them as well to ingest data into HDFS.

System Analyst
SCB-GBS, Chennai. (Aug'16-Feb'17)
Customer: Standard Chartered.
Domain: Banking.
Application: Migration POC.
Team Size: 5
Role:Developer.

Project Description:

The project was based on moving the data from the data ingestion framework based on shell scripts to a framework based on NIFI and Java with HaaS platform.The challenges faced during the project were to ensure the adhoc scenerios of different transaction systems,sourced with the old framework to be fit into the new one,which required detailed study of different systems and business logic behind them.The systems covered were mainframe,RDBMS systems and data captured through CDC.

Process Flow:

- **Creation of file/table structures:** HDFS file structure and hive table structure creation for existing tables
- **Data Ingestion (Presenting):** Transfer of data using DISTCP and covering schemas using JSON and AVRO

Roles and Responsibilities:

- Understanding the existing business flow of the source systems
- Preparation of mapping document for the application
- End to End application on-boarding
- Security matrix for the applications on boarded
- Developed custom NIFI processors to check EOD markers and ingest data into HDFS.
- Java code for source file validation and business date validation.
- End to end testing of the Migration flow from unix based framework to Spark-Java based framework.

Senior Developer
SCB-GBS, Chennai. (Mar'17-Aug'17)
Customer: Standard Chartered Bank.
Domain: Banking.
Application: Network custody systems.
Team Size: 5
Role:Senior Developer.

Project Description:

The purpose of this project aimed to receive data based on Network custody systems of the bank(SCB) from the source system and ingest the data to be available in the Hadoop data lake.The master/core tables of the source system were identified and the major transaction tables were listed based on the business suggestion and availability of data.

Process Flow:

- **Data Sourcing:** Data received in daily basis from Sybase as delimited flat files.
- **Data Ingestion (Presenting):** On daily basis retrieved data's were loaded into Hadoop Environment (HDFS).
- **Data Processing:** Process data by using Hive and Spark-Java

Roles and Responsibilities:

- Path mounting and service key deployment to receive files from RDBMS system,at edge node of HDFS
- Created Hive tables to load large sets of structured data coming from RDBMS tables.
- Created Hive queries to analyze the dataset's based on business requirement.
- Developed custom NIFI processors to ingest data into HDFS.
- Java code for source file validation and business date validation.
- Over see the entire flow and ensure end to end delivery of the sourcing.

Senior Developer
SCB-GBS, Chennai. (Oct'18-Feb'19)
Customer: Standard Chartered Bank.
Domain: Banking.
Application: Dotopal,STS.
Team Size: 3

Role:Senior Developer.

Project Description:

Data sourcing project involving over 74 instances in each of the two source systems,Dotopal and STS. Tools involved: CDC,NIFI. On a daily basis over 150 tables in each of the 74 instance is being sourced from the application known as the gateway of the transactions for the bank. Joined the project under a critical juncture and delivered under stringent timelines. Frequent interactions with the consumers regarding the data quality and subsequent actions to maintain the data quality during data sourcing

Process Flow:

- **Data Sourcing:** Data received in hourly basis from change data capture tool as delimited flat files.
- **Data Ingestion (Presenting):** On receipt of the End of the day marker file, the SRI processing is done
- **Data Processing:** Process data by using Spark-scala

Roles and Responsibilities:

- Ensure BAU of the system
- Interaction with the users and maintain data quality

Current project:

- Data quality assurance for the processing systems under consumption
- Role involves working with multiple systems in production and ensuring BAU without any delay in delivery of data to the consumers.

Other achievements:

- Was awarded with a certificate of appreciation by CIO for reduction in complexity of data ingestion using shell scripts.

Personal Details:

- Languages Known: Tamil, English (fluent).
- Date of Birth: 07-01-1993.
- Permanent address: No.10 sivan koil west mada street, Villivakkam, ch-49
- Graduated from Velammal Institute of Technology with a CGPA of 7.5
- Passed out 12th Grade from Velammal matriculation HSS with 92%

Declaration:

I hereby declare that all the information furnished above is true and correct to the best of my knowledge.