

**Name: Murahari T**

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**Designation : software engineer**

**Professional Summary:**

- Presently working as **Big Data (Hadoop and Spark) Developer**.
- Having 3+ years of overall IT experience in **Big Data Developer**.
- Having 2.8 years of exclusive experience in **Hadoop Stack, HDFS, Map Reduce, Sqoop, AWS, Hive, Flume, Oozie**.
- Having 1.5 years of experience in **Spark, PySpark, Spark Core, Spark SQL**.
- Interacting directly to the business users to gather requirement and report progress.
- Understanding the requirements.
- Responsible to manage data coming from different sources and involved in HDFS maintenance and loading of structured and unstructured data.
- Involved in creating Hive tables, loading data and running Hive queries in the data.
- Created Partitions, Buckets based on State to further process using Bucket based Hive.
- Develop business requirement with spark SQL and HQL.
- Worked on creating the RDDs, Data Frames for the required input data and performed the data operations using Spark-core.
- Writing the SQL queries to process the data using Spark SQL.
- Having Experience in Object Orienting Programming and Functional Programming.
- Development experience with IDEs like IntelliJ, Scala IDE.
- Very good experience in customer interaction and working in onsite-offshore model.
- Excellent experience with application development and performance tuning.
- Used Hive queries in Spark-SQL for analyzing and processing the data.
- Hands on experience with Linux and MySQL.
- Having Experience on file formats like ORC, AVRO and PARQUET.
- Good understanding of Hadoop architecture and hands-on experience with Hadoop components such as Job Tracker, Task Tracker, Name Node, Secondary Name Node, Data Node, Map Reduce concepts and YARN architecture which includes Node manager, Resource manager and App Master.

**Technical Skills:**

**Hadoop Ecosystem : HDFS, MapReduce, Sqoop, Hive, Flume, AWS, Spark**

**Spark Ecosystem : Spark Core, Spark SQL**

**Programming Languages : SQL, Python**

**Operating Systems : Linux, Windows**

**DBMS : MySQL, Oracle**

## **Projects:**

### **# 2. Project**

**Title : INSURANCE**

**Designation : Software Engineer**

**Environment : Hadoop (Cloudera), Map Reduce, Hive, Sqoop, Flume, Linux, Oracle, MySQL, Python.**

#### **About Project:**

AEP is one of the largest Electric Utilities in the United States, delivering electricity and custom energy solutions in 11 states. They have their own devices in and around the Power plants in multiple locations. Each device will have Barcode on them and they are read via RFID tags on the objects. The tag details are read and stored in Oracle Databases. Using Sqoop migrate the tables to HDFS. Process the data using hive. And the required data has to be loaded onto the target database then which will be pulled to generate reports to support business decisions.

#### **Role/Responsibilities:**

- Involved in creating Hive tables, loading with data and writing hive queries.
- Importing data from Oracle to Hive using Sqoop.
- Replaced default Derby metadata storage system for Hive with MySQL system.
- Load and transform large sets of structured and semi structured (logs) data.
- Used Hive to form an abstraction on top of structured data residing in HDFS and implemented Partitions, Dynamic Partitions, Buckets on HIVE tables.
- Exported the analyzed data to the relational databases using Sqoop for visualization and to generate reports for the Power BI team.

## **#1. Project**

**Title : Digital data analysis**

**Environment : Hadoop (Cloudera), Map Reduce, Hive, Sqoop, Flume, Linux, Oracle, MySQL, Python.**

### **About Project:**

We are supporting Cisco Search Applications in Attivio Search Engine. Both External (CDC- Cisco.com) and Internal (CEC-Cisco Employee Communication) P1 Search Applications of Cisco Search including the other 6 applications is maintained. When a user search with a query in the front end, query result will be served from the indexes. Indexers indexes all documents form Document Processing Engine and connectors used to crawl the documents. Searcher runs the queries submitted by the end-user against the index. Query Dispatcher distributes queries to different Search Columns, selects Search Rows based on load balancing. Gained knowledge in Search.

### **Roles/Responsibilities:**

- Understanding the Requirements and Functional Specifications of the Project.
- Created database tables, views using SQL Developer.
- Responsible for solving the database related queries and provide corrective measures.
- Involved in resolving the JIRA issues with in SLA.

### **Work Experience:**

- Currently working as **Big Data Developer** in **Infosys** , Bangalore. From **June 2019** to **Till Date**.

### **Educational Qualification:**

- Completed CSE(Computer Science) in Vinayaka Missions **University** in **2019**.