Name: P. Deepak Francis
Phone: 9963120610
Email: pillideepakfrancis@gmail.com

Summary :

- IT experience of over 4 years of experience with multinational Clients includes 3+ years in Big Data ecosystem components like Apache Spark, Hadoop, Hive, SQL.
- Hands-on fundamental building blocks of Spark - RDDs and related manipulations for implementing business logic Like Transformations, Actions, and Functions performed on RDD.
- Experienced in importing and exporting data from RDBMS into HDFS using spark.
- Analyzed large amounts of data sets using Hive scripts.
- Good working knowledge on processing Batch applications.
- Depth understanding of Data-frames and Datasets in Spark SQL.
- Exposure on usage of Apache Kafka to develop a data pipeline of logs as a stream of messages using producers and consumers.
- Good experience in Hive partitioning, bucketing and performing different types of joins on Hive tables and implementing Hive SerDe like JSON and Avro.
- Worked on Data Serialization formats for converting Complex objects into sequence bits by using AVRO, PARQUET, JSON, CSV formats. • Experience in Performance Tuning, Optimization and Customization.
- Working as a part of the AWS build team to create, configure and managing S3 bucket (storage).
- Experience on AWS EC2, EMR, LAMBDA and CloudWatch and AWS Glue, Involved in performance tuning the Spark SQL and spark-submit jobs.
- Good understanding of Experience on creating databases, tables and views in HIVE, IMPALA
- Experience with performance tuning on map reduce/hive/pig jobs.
- Experience in working with different data sources like Flat files, XML files, Sequence files, Avro files and Databases

Education :

B.Tech(Mechanical Engineering) in RVR&JC College of Engineering from 2010-2014.

Employment :

Worked as Software Engineer in Creative Tech Mars Software Solutions Pvt. Ltd from June 2018 to June 2022.

Role: Big data developer

Client: Creative Tech Mars Software Solutions Pvt.Ltd.

Location:Hyderabad

Role & Responsibilities:

- Experience on AWS EC2, EMR, LAMBDA and CloudWatch and AWS Glue
- Applied transformations on the data loaded into Spark Data frames and done in memory data computation to generate the output response.
- Developed multiple POCs using Spark Scala and deployed on the Yarn cluster, compared the performance of Spark, with Hive and SQL.
- Developed Scala scripts using both Data frames/SQL and RDD/MapReduce in Spark for Data Aggregation, queries and writing data back into OLTP system through Sqoop.
- Used hive to analyze the partitioned data and compute various metrics for reporting.
- Import the data from different sources like HDFS into Spark Data frames.
- Scheduled and executed workflows in Oozie to run Hive and Pig jobs
- Experienced with Spark Context, Spark -SQL, Data Frame and Pair RDD.
- Reduced the latency of spark jobs by tweaking the spark configurations and following other performance and Optimization techniques.
- Created Partitions, Buckets based on State to further process using Bucket based Hive joins.
- Designed AWS Cloud Formation templates to create VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
- Created S3 buckets also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
- Selecting appropriate AWS services to design and deploy an application based on given requirements.

Environment :
AWS GLUE , S3, HDFS, Hive, SQL, Hortonwork, Hue, LINUS, BIG DATA, UNIX SHELLScripting, Spark, Putty, EMR, AWS LAMBDA, AWS STEP FUNCTION.

Technical Skills :

Big Data Platforms	Hortonworks, Cloudera, Amazon.
Databases & NOSQL Databases	**Oracle, MYSQL, Microsoft SQL Server**
Development Methodologies	**Agile/Scrum, Waterfall.**
Database Design Tools and Data Modelling	**Fact & Dimensions tables, physical & logical data modeling,**
Languages	**SQL,Shell Scripting, Scala, Python,spark,pyspark**
Hadoop Ecosystem	**Hadoop, MapReduce, HDFS, HIVE, Sqoop, Kafka, spark**

Declaration:

I hereby confirm that all the information provided above is correct. Please contact me for any further information.

`

P.Deepak Francis