Ekkirala Suresh

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CAREER OBJECTIVE

Highly qualified Data Engineer with experience in the industry. Enjoy creative problem solving and getting exposure on multiple projects, and I would excel in the collaborative environment on which your company prides itself.

CAREER SUMMARY

- ➢ **Overall, 3**+ **years of Extensive Experience** in different domains in the IT industry andmainly in Hadoop Ecosystem Development and PySpark and Cloud service (AWS).

- ➢ Hands on experience with Big Data core components and Ecosystem including Data Ingestion and Data Processing (**PySpark, Hive, SQOOP, HDFS and Hbase**.)

- ➢ In depth understanding of Spark Architecture including **Spark Core, Spark-SQL, DataFrames.**

- ➢ Have a hands-on experience on Amazon Web Services mainly **IAM , EC2, S3, EMR,RDS, Redshift, Glue, Lambda.**

- ➢ Experience processing large amounts of structured and unstructured data, including integrating data from multiple sources.

- ➢ Perform tasks such as writing scripts, write **SQL** queries.

- ➢ Good understanding of Partitioning, bucketing concepts in Hive and designed both Internal and External tables in Hive to optimize performance.

- ➢ Experience in working on file compression techniques as well as various file formats like JSON, CSV ORC, Parquet.

- ➢ Experience in transferring data from RDBMS to HDFS and Hive tables using Spark

- ➢ Implemented **proof of concept** to transform streaming data using **Apache Kafka** and tool like**Apache Nifi**.

- ➢ Experience on using tools such as **PyCharm, putty**.

- ➢ Implemented **proof of concept** in **Glue**.

- ➢ Analytical mind and ability to learn-relearn concepts.

TECHNOLOGY PROFICIENCY

- ➢ **Platforms:** Windows, Linux.
- ➢ **Programming Language:** Python
- ➢ **Scripting Language:** Shell Script.
- ➢ **Big Data Ecosystem:** HDFS, Sqoop, Oozie , Hive, HBase,Phoenix,YARN, PySpark, Spark-SQL, Spark-Streaming,Kafka,Apache Nifi
- ➢ **Distribution Package**: AWS
- ➢ **Management Tool**: Zookeeper.
- ➢ **Emulator**: Putty, WinSCP
- ➢ **IDE**: PyCharm, Jupiter Notebook
- ➢ **Cloud Technologies**: AWS (IAM,S3, EC2 & EMR Cluster, RDS, Redshift, Glue,Lambda)
- ➢ **Relational database**: MySQL, Oracle, Snowflake
- ➢ **Another tools and technology**: Jira, Git, GitHub

ORGANIZATIONAL SCAN

Organization: ADVENT INFORMATICS

- ➢ **Designation:** Data Engineer
- ➢ **Location:** Pune
- ➢ **Duration:** From July. 2019 to Till Date

Organization: Al Habeeb Engineering College.
- ➢ **Designation:** Assistant Professor
- ➢ **Location:** Hyderabad
- ➢ **Duration:** From Feb 2016 to June 2019

WORK EXPERIENCE

Organization: ADVENT INFORMATICS

Project #1: Credit Card Data Analysis   **Duration: July 2020 to Till Date**

Role: Data Engineer

In order to maximize the benefits, credit card providers need to start changing their views regarding transactional credit card data, and start looking at it more from a retailer's perspective. Tapping into the location, product, and competitive intelligence aspects of credit card data open new revenue sources for both the providers and the merchants, for this we have used AWS for cloud processing. In this project we have used for processing as Pyspark, and cloud-based technology as AWS.

Tools and Technology: Spark, HBase, Phoenix, Hive, PostgreSQL, S3, AirFlow.

Roles & Responsibilities:

➢ Understand the nature and characteristics of data and check how data flow

➢ Attain Daily scrum call

➢ Complete assign task as per the timeline

➢ Attain weekly call with client for further enhancement

➢ Involved in import data from RDBMS, HBase, HDFS using PySpark and populates Hive Table.

➢ Designed Both Managed and External Table

➢ Perform data injection to HBase and Hive

➢ Have responsibility to write the data extraction logic for the application.

➢ Optimize code using PySpark for better performance.

➢ We used PySpark for processing and for storage AWS S3.

➢ Monitoring the job, if any problem occurs solving that problem.

➢ At the end uploading the output data to output directory on S3.

Organization: ADVENT INFORMATICS

Project #2: Data Migration   **Duration: July-2019 to Jun-2020**

Role: Data Engineer

Data migration **allows us to get all of our data into a single storage system** like a cloud data warehouse. If analysts and other employees can access all of the data they need from a single system, they can start using it right away to make better decisions, resulting in faster time to insight

Tools and Technology: S3, Redshift

Roles & Responsibilities:

➢ Attain Daily scrum call
➢ Complete assign task as per the timeline
➢ Attain weekly call with client for further enhancement
➢ Import data from s3 raw bucket and do the cleaning. Again, move the cleaned data into s3 cleaned bucket.
➢ At the end uploading the output data to the redshift
➢ Create DDL script for creating table in redshift
➢ Have responsibility to write the data extraction logic for the application.
➢ If any issue or challenge face, raise the Jira Ticket to concern teammate.
➢ We used PySpark for processing and for storage AWS S3 and Redshift.
➢ Monitoring the job, if any problem occurs solving that problem.

EDUCATIONAL QUALIFICATION

- Done M.Tech(Power Electronics) from JNTU Hyderabad in February, 2016.
- Done B.Tech(EEE) from JNTU Hyderabad in June, 2010.
- Done 10+2 from Board of Intermediate Education A.P in March,2006.
- Done SSC from Board of Secondary Education A.P in March,2004.

PERSONAL DETAILS

Date of Birth   : May 06' 1989
Languages known   : English, Hindi and Telugu

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

Place: Vikarabad   Ekkirala Suresh