Elumalai Loganathan

Email : lelumalai007@gmail.com
Phone: +91-8682912914
Linkedin: linkedin.com/in/elumalail

Summary:
- A result driven GCP data Engineer with 10 years of industry experience in the area of Data Engineering, Big data, Performance Tuning and MSBI developer.
- Hands on Experience in Google Data products (Bigquery , Cloud Shell).
- Expertise with the tools in Hadoop Ecosystem including Hive, HDFS, MapReduce, Sqoop, PySpark, Yarn.
- Experience in migrating the data using Sqoop from HDFS to Relational Database System and vice-versa.
- Knowledge in various file formats in HDFS like Avro, ORC, parquet
- Experienced in tuning ERP jobs, time/CPU consuming SQL queries.
- Practical understanding of the Data modeling (Dimensional & Relational) concepts like Star-Schema modeling, Snowflake schema modeling and Fact-Dimensional models.
- Extensive experience in writing MS SQL, T-SQL procedures and queries.
- Database Backup, Database Restore, Data Recovery and Data Protection on SQL Server.
- SQL Server Capacity planning, Space Management, Data Partition and Data Management.
- Monitoring Data Activities (Database Status, Logs, Space Utilization, Extents, Checkpoints, Locks Transactions) and apply improvements.
- Excellent knowledge on Azure Services, Amazon Web Services and Management.

Technical Skills:
- **Google Cloud Platform:** GCP Cloud storage, Big query,   Cloud SQL, GSUTIL.
- **Big Data:** Spark, HDFS, YARN, MapReduce, Hive, Sqoop
- **Azure Cloud Platform:** ADLS, Azure Data Factory, Azure Database, Azure Synapse analytics
- **AWS Cloud platform(**S3,RDS,Redshift)
- **Python : Pandas, Numpy,SciPy,Matplotlib**
- **Databases:** MS SQL Server, Oracle, MySQL and Teradata
- **ETL/Reporting:** Data studio, Power BI,SSIS, SSRS
- **Programing:** Shell/Bash, scala,C#
- **Operating Systems:** UNIX/LINUX, Windows
- **SQL Tools:** BCP, DTA, SQL Profiler, SQL nexus

Professional Experience:

- **Ness Digital Engineering (Consultant at Paypal), Chennai (*05/2020 to Till date*) Senior Software Engineer**

  - **Product : BFiT (*May-2020 to Till date*)**

    - **Client: Paypal corp, India.**

    - **Role Played:** GCP Data engineer, Bigdata developer

    - **Used:** Bigquery,Dataflow, Dataproc, Cloud Shell, PySpark, Hive, python, Github, shell scripting, AWS(Redshift), Teradata

    - **Responsibilities:**.

- Migrating an entire Hive database to Bigquery.
- Used Cloud shell SDK in GCP to configure the services Data proc, storage and Bigquery.
- Experience in moving data between GCP and Azure using Azure Data factory
- Experience in designing and developing applications in Big query and Spark using Python to compare the performance of Spark with Hive and SQL/Teradata
- Developed Spark scripts by using Scala shell commands as per the requirement.
- Analyzed the SQL scripts and designed the solution to implement using Pyspark
- Experienced in handling large datasets using Partitions, Spark in Memory capabilities, Broadcasts in Spark, Effective & efficient Joins, Transformations and other during ingestion process itself.
- Responsible for developing data pipeline with Amazon AWS to extract the data from weblogs and store in HDFS.
- Involved in creating Hive tables, and loading and analyzing data using hive queries
- Implemented Partitioning, Dynamic Partitions, Buckets in HIVE.
- Building different financial models across payments, retail banking and Cost & Revenue reporting
- Strong analytic skills related to working with unstructured datasets.

- **DXC Technology (formerly CSC), Chennai (*05/2015 to 04/2020*) Associate Professional**
  - **Product : Medmantra (*Mar-2019 to Apr 2020*)**
    - **Client: Apollo Healthcare Hospital, India.**
    - **Role Played:** Database Engineer
    - **Used:** Oracle 11g
    - **Responsibilities:**.
      - Able to troubleshoot database related CPU ,memory, I/O and other resource contention.
      - Measure performance statistics using AWR report.

  - **Product : Medchart (*Nov-2017 to Apr 2020*)**
    - **Client: Melbourne's Cabrini Health ,Australia & Newzealand.**
    - **Role Played:** Performance Tuning Engineer
    - **Used:** SQL server 2016 & 2012,Azure
    - **Responsibilities:**.
      - Improved database server CPU from 90% to 45% in scalability testing.
      - Improved query response time by using In-memory OLTP tables.
      - Periodically monitoring SQL error logs and fixed deadlock issues

  - **Product : Lorenzo (*Jun-2015 to Apr 2020*)**
    - **Clients: UHMB & STH,UK.**
    - **Role Played:** Big data developer, Performance Tuning analyst

- **Used:** SQL server 2016,SSIS,Hadoop,Spark
- **Responsibilities:**
  - Involved in creating Hive tables, loading with data and writing Hive queries that run internally in map reduce.
  - Implemented partitioning,Dynamic partitions ,Buckets in Hive.
  - Improved application pagination screen response time by 50%.
  - Resolved compatibility issues during migration from SQL 2008R2 to SQL server 2016.

- **CanGo Networks (acquired by VIAVI solutions), Chennai (03/2013 to 04/2015) Software Engineer.**

  - **Product : Optigo**
    - **Clients:**
      - **MPT: 1 Year**(*May-2014 to Apr-2015*)
        - MPT is Telecom operator in Myanmar
      - **Rightel: 6 Months** (*Jan-2014 to Jun-2014*)
        - Rightel is Iran's first W-CDMA/HSPA mobile network operator
      - **Ncell:6 Months** (*Jun-2013 to Dec-2013*)
        - Ncell is Nepal's Mobile network provider.

    - **Role Played:** DBA and MSBI Developer
    - **Skills Used:** C#, MSSql ,Oracle and SSIS

    - **Responsibilities:**
      - Created SSIS packages and did DTS migration and metadata
      - Was responsible for ETL and data validation using SQL server Integration services
      - Involved in performing data conversions from flat files into a normalized database structure.
      - Played Key role while product is launched in Go daddy web hosting Server.

Education:

Bachelor's degree in Computer science and Engineering, Anna University Trichy - Thirukkuvalai (2008-2012)- 8.1 CGPA

Declaration:

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place: yours sincerely,
Date: