



MUGILAN BALAKRISHNAN

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PROFESSIONAL SUMMARY

8 years of IT experience in Data warehousing and Business intelligence domain as an **ETL developer, Data Modeler, Data Engineer** in delivering strategic solutions for leading Telecom and Pharmaceutical data warehouse projects.

IBM Certified Data Engineer.

Working experience in **Informatica Power center 9x&10x**, relational databases (**Teradata, SQL Server, PostgreSQL**) and Non-relational Databases (**MongoDB, Cassandra**).

Experience in writing complex **SQL** and **OLAP queries**.

Hands on Experience in **AWS, IBM Cloud** and **IZO**.

Hands on experience in working on **Python scripting** with **Spark, Pandas** etc,

Hands on experience in working on Data Pipelines like **Airflow DAG** and **Kafka**.

Experience with **Data cleansing, Data Profiling and Data Analysis**.

Experience in **dimensional data modelling**, preparing LDM & PDM

Experience in creating **cube models, Power BI dashboards** using **DAX** formulae.

Experience in automating ETL runs through **Informatica Scheduler, Autosys**.

Experience working in **SVN & GIT** for code version control.

EDUCATION

APRIL 2013

BACHELOR OF ENGINEERING, ANNA UNIVERSITY, CHENNAI

Sri Sairam Institute of Technology FIRST CLASS (77%)

WORK EXPERIENCE – 8 YEARS

October 2019 – TILL DATE

TECHNICAL LEAD, TATA COMMUNICATIONS LTD

- Being the Technical & Module lead, proactively coordinated and involved with various user groups for requirements gathering, Project planning, Effort estimation and analysis.
- Designed, developed and deployed end to end ETL implementations with primary focus on data transformations using business requirements and designed frameworks to ensure data quality from multiple source systems like Hadoop, AWS S3 and files.
- Prepared data modelling by creating LDM, PDM for various projects.
- Developed Python code to connect to API, file processing and file conversion using various libraries.
- Worked on creating tabular cube models and Power BI dashboards using DAX formulae.
- Lead the offshore team in a truly Agile mode which involved multiple roles
- Actively involved in efforts estimation, model design, code reviews, providing technical solutions and approach for my team members.

April 2014 – September 2019

ASSOCIATE, COGNIZANT TECHNOLOGY SOLUTIONS

- **ABBVIE.** Designed, developed & tested ETL jobs (Informatica) /BTEQ SQL(Teradata) Scripts to load data into clients' data warehouse as per requirement.
- Worked with Data Modeler and DBAs to build the data model and table structures especially in Sales and marketing data warehouse.
- Prepared detail design documents which contain job designs and functionality of each job.
- Developed SQL Scripts to validate the data after the loading process.
- Involved in scheduling Autosys jobs for informatica workflows as a part of automation.
- Have delivered the data to business users on time with zero percent SLA miss and got appreciation for delivering on time.

SELF PROJECT –

Data Platform for Retailer Data Analytics

- Designed an OLTP database in SQL server for an E-Commerce website and populated the same with data from web servers.
- A NoSQL database is designed in MongoDB to load the catalog data of the same E-Commerce site.
- A Staging Datawarehouse is designed in PostgreSQL which has the schema for Facts and Dimension tables. The data is then loaded to the production Datawarehouse in DB2 cloud.
- The whole process is then automated using an Airflow DAG, which extracts the data from web servers and loads to SQL server and MongoDB. Then the data from both SQL server and MongoDB is transformed and loaded to the Data warehouse. The automation is done using Python scripts.
- Cognos is used as the visualisation tool which shows the analysis of data in different charts.

AWARDS & HONORS

2022 – IBM Data Engineer

Completed IBM Data Engineer Certification.

2022 – Xtra Mile Award

From GM for designing and completing a critical project.

2021 – Xtra Mile Award

From GM for successfully completing various projects on time

2020 – Team Triumph Award

From CEO for outstanding performance of Galaxy team.

2020 – Xtra Mile Award

From Business user for Automation of regulatory reports.