Sanjay Ranganathan
sanjaysavvy@gmail.com
Phone : 7708166486

Summary

Sanjay Ranganathan is a detail-oriented IT professional with overall experience of 5 years and 8 months.Developed and maintained ETL (Data Extraction, Transformation and Loading) mappings using Informatica Designer to extract the data from multiple source systems that comprise databases SQL Server , flat files and loaded to the Data Marts and Automated the load using Fivetran and DBT Application Created mappings using different look-ups like connected, unconnected and was responsible for the design, development, implementation and support of mission-critical enterprise Business Intelligence (BI) reports.

Skill Set

Databases	Microsoft SQL Server, AWS Redshift,MongoDb
Reporting Tools	Power BI, Tableau,Sisense,Apache Superset
ETL Tools **OLAP Tools**	Informatica Power Center/Cloud,SSIS,MDM-Profisee v7,Fivetran,DBT ,Amazon lambda , Amazon S3 ,Amazon SSM
Languages	SQL/PLSQL, Python-Data Wrangling

Professional Experience

- ➢ Systech Solutions Pvt Limited

    Duration   :   October 2019 - Present (3 years ,10 Months)

    Role   :   Senior Software Engineer

    Description :   Built Data pipelines and warehouses from various sources and loaded to Target, Used Aws Redshift, python , pyspark , informatica power center,dbt and fivetran for data Transformation and loading .Tableau , powerbi is used for Visualization.

- ➢ Pathfinder Global Fzco

    Duration   :   January 2018 - September 2019(1 year ,8 Months)

Role   :   Data Analyst

Description   :   Built Data warehouse in Sisense Elastic cube and reports on
                          Data from sql server and mongodb . Used python, sql for data
                          transformation .Reports are developed in Sisense
                          visualization tool.

Projects

Fox-Digital Advertisement Development Data   July 2020 – Present

Description:
        Fox Entertainment is an American television production company owned by Fox
Corporation.The company was formed in 2019 after The Walt Disney Company's acquisition
of 21st Century Fox; all programming is created for the Fox Broadcasting Company.

Tools used : Amazon S3,Redshift,Lambda,Python, Fivetran ,DBT ,Tableau

Roles:
- Data migrated from Api to amazon redhisft using AWS lambda and automated using Fivetran application
- Created views from the different databases and loaded it into table using dbt and loaded to another database in different environment.
- Created Data warehouse from different reports from Fox applications.
- Created Gsheet connector ,lambda invoke function in Fivetran application and respective load strategies in Fivetran transformation.
- Created python scripts to flatten the data in a format to store data in Redshift .
- Created python scripts to read and write the data from google sheet.s
- Created data validation documents between the source and target data and in between different environments.
- Monitored the job status in Fivetran,DBT and cleared the issues if occurred .

Pacific Life Insurance   February 2020 – May 2020

Description:
        Pacific   Life Insurance   Company   is   an   American   insurance   company
providing life insurance products, annuities, and mutual funds, and offers a variety of
investment products and services to individuals, businesses, and pension plans.

Tools used : Profisee,Microsoft SQL Server,Amazon Redshift ,Batch Scripts,python

Roles:

- Created Entities in Profisee MDM tool and respective staging tables
- Created Matching Strategies for the entities for matching purpose
- Created Survivorship Rules to get the master data from the different data sources
- Created store procedures to maintain the control tables
- Created Reports for the Entities to show the matching details in Profisee
- Created BATCH Scripts to execute the procedures to invoke these strategies
- Worked on python scripts to get the extracts from the redshift to testing purposes.

Rally motors [Simulation]   October 2019 – December 2019

Description:

       Rally Motors, Inc. is an American automotive   that designs, manufactures, and sells cars. The main objective for them is to manufacture pollution free vehicles. They build not only all-electric vehicles but also infinitely scalable clean energy generation and storage products.

Rally Motors has been proud to state its focus is on selling cars and not trying to make profit from their service centers

Tools used : Microsoft Sql server,Informatica Power centre, Power Bi

Roles:

- Understood the business requirement document and   created a Business Understanding document.

- Source system Anlaysis was done on the source(Microsoft Sql Server) provided by the client, Identified the tables and relation between them .

- Designed Logical data modelling for the source system tables

- Developed Conceptional data modelling for the source system

- Physical data modelling was done for all the tables .

- Designed Bus Matrix for each mart in the source system

- Loaded the required dimension table into the Data warehouse(Microsoft Sql Server)

- Performed Necessary Transformation in ETL tool(Informatica Power center)

- Performed SCD concepts on dimension tables as per Client Requirement

- Loaded the fact tables and implemented Incremental load on fact tables .

- Testing document was prepared between Source and Target tables

- Created the Required reports from data warehouse as source using Microsoft power Bi

- Quality Analysis Testing was done between dashboard and source system.

Revenue Dashboard for Malls   January 2018 – September 2019

Client: Pathfinder Global Fzco

Tools/Languages: Sisense (visualization tool), JavaScript

Description:

Dashboard are created to show the sales and revenue of the Tenants of the Mall/ Trade category wise, location wise etc...,so that it is very easy for the Mall owners to find the best Tenants and can fix revenue according to that, so that the revenue increases.

Roles:

- Analyses of the data, tables in the database and their relationship between them and identifying the fact and dimension tables in it.

- Imported the data from mongo dB and sql server and data modelled and created a cube, visualizations is done in Sisense .

- Created a plugin using d3js and java script, that shows the map of the floor in the mall and on hover it shows the Trading density, Net sales, Health of the Tenant and Rent of the Tenant,

- Java scripts are used to enhance the UI of the charts used in the dashboard, Then used extra custom plugins provided by the Sisense application.

Benchmarking Dashboard   **January 2019 – September 2019**

Client: Pathfinder Global Fzco

Tools used : Python, Sisense

Description:

        Involves combing the sales data of all shopping centres across the country into data lake and to see the trends and the direction in which the Retail industry is going.
How is the growth of Retail industry in India? How is the trend in next 6 months? Is it upwards or downwards or flat? If so, at what rate? How is a category [Ex: Fashion] is performing in a market [Ex: Mumbai]?

Roles:

- Retreived data from different databases in python and performed data wrangling operation using pandas dataframe and exported as csv file.
- Created the dashboard in sisense .

Certifications

- Certified **Data Analytics Consultant** at Systech Solutions Pvt. Ltd., Chennai
- Certified **ETL Developer** at Systech Solutions Pvt. Ltd., Chennai
- Certified in Basics of python/R programming at Datacamp.
- Certified in Basics in MongoDB at MongoDb university

Education

- Bachelor of Technology in Information Technology , Sri Venkateswara college of Engineering.