**Ramakrishna Enukonda**

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# Profile

* 5.6 years of experience as **ETL Developer**. Involved in end-to-end implementations, which include Data Migration, Data Integration, Data Management, Data Profiling and Performance Optimization. Also involved in developing Cloud platform.
* Have extensively worked in developing ETL jobs for Data Extraction, Transformations and Loading using **Informatica Power Center** and **Azure Data Factory**.
* Strong background in data warehouse schema design and **dimensional modeling using star schema and snowflake models.**
* Experienced in building data models for various financial aspects according to the business needs and practices.
* Proficient in implementing **Slowly Changed Dimensions** (SCD) Type0, Type1 and Type2.
* Developed **OLAP applications** by extracting data from the enterprise data warehouse and then use Tableau and Power BI to support the analysis and visualization needs of Business users.
* Worked based on High Level document specifications and correspondingly implemented the data transformation methodologies.
* Have good experience in requirement gathering, analysis, design, developing and testing.
* Proficiency in developing SQL queries and Stored Procedures in various relational databases like **Snowflake Cloud Data Warehouse**, **Oracle, SQL Server, Azure database and Azure data warehouse.**
* Good knowledge in writing scripts using **Python** and basic knowledge on **Unix** scripting.
* Also have knowledge on **Amazon Web Services(AWS)** and windows **Azure cloud services.**
* Extensively performed complex troubleshooting, root-cause analysis and solution development.
* Strong visualization, problem solving and analytical skills.
* Actively involved in knowledge transfer and hyper-care tenure with the client support team.
* Team player, motivated, ability to meet deadlines within stipulated time.

# Technical Skills

* **Operating Systems:** Windows, Linux, Unix.
* **ETL:** Azure Data Factory, Informatica Power Center
* **Reporting Tools:** Basic knowledge in Tableau and Power BI
* **Database:** Snowflake, MSSQL Server, Azure SQL Database, Azure SQL Data Warehouse, Oracle database.
* **Languages:** Python , SQL, T-SQL and Unix.

**Key Projects Undertaken**

**Client:** SALESFORCE

**Location:** Monterrey(Mexico) and Hyderabad(India)

**Duration:** Jan 2019 to Present.

**Role:** ETL Developer

**Description:**

The objective of this project is to develop a new platform to move on-premises data to the cloud. Data was extracted from Salesforce objects, Oracle Golden Gate, Oracle DB and moved to Amazon S3/Snowflake internal stage using Python scripts. From S3 bucket the data is then moved to Snowflake using external tables. The ETL processing of data using Informatica with source and target as Snowflake or sometimes Flatfiles. This data after processing is further used by the business team to analyze the reports on Tableau.

**Responsibilities:**

* Involved in requirement gathering, design, development and testing.
* Involved in developing reusable scripts to move data from on premises to s3, s3 to snowflake using Python. Also involved in developing scripts to capture the auditing data and to run the Informatica power center jobs and capturing scan log using python scripts.
* Created user interface platform using Django and accessed all the developed python scripts and sources through the interface.
* Created mappings using Designer and extracted data from snowflake database and move to flatfiles or snowflake database after ETL process.
* Involved in creating s3 bucket, and creating subfolders in s3 bucket. Also involved in moving, deleting files in s3 to different folders after loading.
* Involved in creating snowflake internal storage, database, schemas, external tables, transit tables, views, stream and task, time travelling etc in snowflake.
* Developed various mappings using Mapping Designer and worked with Aggregator, Lookup, Filter, Router, Joiner, Source Qualifier, Expression, Sorter, Update Strategy and Sequence Generator transformations.

**Technical Details:** Python, Snowflake cloud data warehouse, Amazon s3, Informatica Power Center, Oracle, Tidal, Basic Shell scripting.

**Client:** SALESFORCE

**Location:** Hyderabad

**Duration:** May 2017 to Jan 2019.

**Role:** ETL Developer

**Description:**

The objective of this project is to enhance an existing platform by building new dimensional models, which would be needed by the client to predict the business prospects and scope with its customers.Data was extracted from Salesforce tables and Flat files. Data was cleansed and transformed according to the requirement and scheduling was implemented using Tidal to load data into different Dimension and Fact models. This Data warehouse is an integrated Data Mine that provides feed for reporting.

**Responsibilities:**

* Involved in requirement gathering, design, development and testing.
* Involved in the data analysis for source and target systems. Good understanding of Data warehousing concepts, Star schema and Snow-flake schema.
* Created mappings using Designer and extracted data from various sources, transformed data according to the requirement and loaded into Data warehouse.
* Developed various mappings using Mapping Designer and worked with Aggregator, Lookup, Filter, Router, Joiner, Source Qualifier, Expression, Sorter, Update Strategy and Sequence Generator transformations.
* Created complex mappings which can load incremental data from source. Implemented Slowly Changing Dimension logics.
* Developed Lookups with SQL override queries, SQL queries, source filter usage in Source qualifiers and data flow management into multiple targets using Router.
* Data models were scheduled daily and monthly based on business requirement using Tidal to load delta data.

**Technical Details:** Informatica Power Center, Oracle, Tidal, Basic Shell scripting.

**Client:** EPICOR

**Duration:** April 2016 to May 2017

**Location:** Hyderabad.

**Role:** ETL Developer

**Description:**

The objective of this project was to create a Data Analytics Platform for a US based leading ERP solution provider by creating a dimensional model by implementing various data warehousing and data mining concepts to create dimension and fact models. The created platform was used by the user for various reporting requirements and detailed analysis on ad hoc basis.

**Responsibilities:**

* Gathered business requirements by effectively coordinating with the business team.
* Designed the data flow and scheduling activities according to the requirements provided.
* Created database objects like tables, views and procedures using T-SQL to provide definition, structure and to maintain data in an organized and efficient way.
* Developed ETL programs using Microsoft Azure Data Factory to implement the business requirements.
* Data was extracted from various On-Premises Relational tables and Flat files and then integrated in Microsoft Azure SQL Data warehouse using Azure Data factory tool.
* Created stored procedures in Azure data warehouse by using Microsoft SQL Server management studio for dimension and fact models in which all the transformations and logic depending on the requirements were embedded. Absence of in-built transformations in Azure demanded the development of efficient stored procedure code.
* Data Management Gateways were installed in On Premises machines to establish connection between various On Premises sources and Azure Cloud securely.
* Linked Services, Datasets, Activities and Pipelines were created to process the data.
* Automated and Scheduled the activities in pipelines which can daily extract, transform, integrate Delta data from various sources and load into respective dimensions and facts.
* Customized interactive reports were created on final facts using Tableau as per business requirement.
* **Technical Details:** Azure Data Factory, Azure Database, Azure Data Warehouse, PLSQL, MS SQL Server and Tableau, Power BI.

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| **Employers**  |
| **Company Name:** | Infosys Limited- Hyderabad  |

**Duration:** September 2015 – January 2021

**Designation:** Technology Analyst

**Company Name:** Mphasis – Hyderabad

**Duration:** Since January 2021

**Designation:** Delivery Project Lead

# Academic Qualifications

* B.Tech in Mechanical Engineering from Koneru Lakshmaiah University (2015 passed out) with 8.6 CGPA.

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