

Ragapriyadharsini Muthaiyan (Priya)

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Sr. ETL Developer & Data Architect

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### Executive Summary

- Decisive and Goal oriented professional offering over 12 years of experience in Information Technology with Strong Analytical and Interpersonal skills.
- Solid Data warehouse skills focused on Analysis, Design, Development of various business applications, different platforms using Informatica 9.x, Oracle 9i/11g.
- Involved in different projects related to Data Modeling, System/data analysis, Design/Development for OLTP and Data warehousing environments. Experience in Migrating data from legacy systems to new systems by ETL process.
- Hands-on and understanding of data modeling (Dimensional and Relational) concepts such as Star schema/snowflake schema modeling techniques.
- Implemented Data Privacy strategy to help client's complaint with GDPR policy.
- Helped clients in identifying sensitive business information and created Data Catalog to organize their transactional data with their business terms.
- Worked on IICS CDI & API/Web services using application integration REST end point connector.
- Experience in cloud data migration from SQL server to Snowflake on AWS using IICS and Understanding of Snowflake cloud technology.
- Exposure to GitHub & Talend (ELT process) connected to Snowflake environment.
- Experience in Clinical Content migration from Documentum repository to Veeva cloud system.
- Knowledge in Python and created programs using snowflake connector and sqlplus to import data from sql server to snowflake.

- Experience in debugging mappings. Identified bugs in existing mappings by analyzing the **data** flow and evaluating transformations. Familiar in using connectors to make API calls for accessing and updating **data** in Salesforce Application.
- Knowledge of migration strategy to move **Data** Warehouse from Oracle platform to AWS Redshift.
- Extensively worked on UNIX shell scripting for creating and maintaining the parameter files, executing database procedures, calling **Informatica** workflows, and job scheduling.
- Built complex database objects like Cursors, Stored Procedures, Functions, Packages and Triggers using SQL and PL/SQL.
- Experienced handling cross-functional teams, presenting technical ideas to diverse groups. Designed and Developed application components in an Agile environment utilizing a test-driven development approach.
- Experience on **data** profiling & various **data** quality rules development & enhancement in production support environment using **Informatica data** quality (IDQ). Certified on AZ900/Azure fundamentals and undergoing training on cloud migration skills.

### CORE COMPETENCIES

<b>Data</b> Warehousing/ <b>Data</b> Modeling	System/ <b>Data</b> analysis/Development	AGILE
Design/Development for OLTP / Clinical Content Migration	UNIX shell scripting/DCTM & Veeva Platform	<b>Informatica</b> cloud (IICS) <b>ETL</b> workflow and Job scheduling/TRUConsole for Clinical content Migration
SQL and PL/SQL	Production Support	<b>Informatica data</b> quality (IDQ)

### PROFESSIONAL SUMMARY

Period	Role(s)	Client
April 2022 – Till Date	<b>Data</b> Architect & Sr. <b>ETL</b> Developer	Cloud BC Labs

May 2016 – Feb 2022	Sr. ETL Developer & Lead	Accenture
Sep 2010 – May 2016	ETL Developer	Accenture India

## ACADEMICS

- Bachelor's degree in Electrical & Electronics Engineering, Anna University, India.

## TECHNICAL SKILLS

Data Warehousing ETL	Informatica PowerCenter 10.4.1.x, Datastage 9.1
Databases	Oracle 11g/10g, SQL Server
Programming	Unix, Shell Scripting, SQL/ PLSQL, Excel Macro
Content Migration	TRUMigrate and TRUConsole
Tools	TOAD, SQL Plus, MSSQL, Excel, Word, Autosys, DAC, HP Quality Center for ETL testing
Operating systems	Linux. UNIX, Windows

## PROFESSIONAL EXPERIENCE:

Client: NCLH

(Jun

'2022 – Till Date)

Project Description:

NCLH is the Norwegian Cruise Line Holdings which holds the stocks for NCL includes Oceania and Regent as well. NCLH O&R objective to migrate their Oceania and Regent data from SQL Server to cloud hosted relational database Snowflake and combine it with NCL data and functionality. The solution provided also enables business to receive data in more near real time fashion.

**Skills and Technologies used:** IICS, MSSQL, PL/SQL, Snowflake on AWS, Python

**Role(s):** Data Modeler & Sr. ETL Developer & Lead

- Developed solution architecture for the NCLH holdings acquisitions of Oceana and Regent cruises.
- Created required **data** model solution using Lucid chart including the **ETL data** pipeline.
- Worked with **Informatica** Intelligent Cloud Services (IICS), Power center, Snowflake, SQL to process large volumes of **data** in AWS environment.
- Implement **data** quality checks standardization in the code using **Informatica data** quality and **Informatica** power center and CRM application - Salesforce.
- Utilize various **data** warehousing fundamentals for setting up a **data** warehouse.
- Performed impact analysis, performance tuning, capacity planning for the enterprise **data** warehouse and its infrastructure as source systems is added and new integration business rules and logic are introduced.
- Established and enforced policies, procedures, standards and metrics for **data** quality, metadata management and master **data** management.
- Work closely with quality assurance to ensure high **data** integrity. Extracted **data** from traditional **ETL** batch systems and loaded into cloud environment in Near Real Time **data** processing techniques in high **data** transaction environment.
- Created executable script in python to copy **data** from SQL server to Snowflake for work around analysis and testing.
- Deploy mappings that will run in a scheduled batch and real-time environment. Collaborate with various business and technical teams to gather requirements around **data** quality rules and propose the optimization of these rules as applicable.

**Client: T-Mobile**

**(Nov '2017 – Feb '2022)**

### **Project Description:**

T-Mobile is one of the largest mobile telecommunications companies which has extensive broadband and TV distribution operating worldwide. T-Mobile AS is a program which maintains a huge customer centric **data** warehouse (CCDW). Various trend analysis and reports are generated from CCDW on Customer mobile plans, subscriptions, sales, campaigns, traffic **data** and so on.

**Skills and Technologies used:** Power Center, Talend, GitHub, Oracle, SQL, PL/SQL, Shell Scripting

**Role(s):** ETL Lead & Sr. ETL Developer

- Manage and Lead Development team on short track changes to implement in CCDW system. Analyze and prepare estimates for the changes and share it with business.
- Collaborate with business requestors and technical architects to understand change requirements and prepare HLD as needed.
- Manage and support team on code development, verify test results. Ensure coordination on the code merge to handle multiple changes on same objects.
- Manage meetings with the business stakeholders to provide status updates. Build weekly project status reports, tracking the progress of tasks per schedule, and reporting any risks and contingency plans to management and business users.
- Worked on Effort Estimation and story creation in JIRA and created the data flow design documents in Confluence with adherence to Agile methodology.
- Applied Data Privacy strategy to support GDPR compliance by using Informatica and PLSQL dynamic procedures and automated it.
- Ensured data governance by doing proper data management in all phases and network connected within project systems. Ex., Implemented automated and verified process for Datacopy activity required for replication tables in Data warehouse system.
- Automated the data privacy and protection process by providing the feature of automatic purging and archiving of historical data based on requirements.
- Identified business critical information on customers' Orders and Subscriptions data and helped client in creating Data catalog for Campaign Marketing design.
- Provided SME support pertaining to interface and module of the project worked upon and created reports with complex SQL queries to support data governance process.
- Design Informatica Mappings and Workflows to be restart able after a failure. Develop reusable components in Informatica, Oracle and UNIX. Develop complex mappings using various transformations in Informatica.
- Utilize XML Parsers and Generators to handle inbound and outbound XMLs in Informatica.

- Performance tuning of Informatica Mappings by optimizing the source, optimizing the target, optimizing the transformations, and optimizing the sessions.
- Work with PL/SQL, Functions, Procedures, Packages, Triggers and Materialized Views.
- Work on Performance Improvement using Oracle Partitions, Indexes, and other Performance Tuning techniques.

**Client: Pfizer, Groton, CT**

**(May 2016**

**– July 2017)**

**Project Description:**

Pfizer is a leading pharmaceutical company with a diverse global health care portfolio that includes human and animal biologic and small molecule medicines and vaccines, as well as nutritional products and many of the world's best-known consumer products.

ESI (Engine for Sustainable Innovation) program helps to increase the R&D productivity of Pfizer with its operating model called CAL (Clinical Aggregation Layer) which intends to allow partners to use their own clinical applications to conduct studies on Pfizer's behalf. This approach will significantly reduce the transactional computing footprint within Pfizer's Development Operations organization.

**Skills and Technologies used:** Power Center, IDQ, MDM, Oracle, SQL, PL/SQL, Shell Scripting

**Role(s): ETL Developer & Production Support Analyst**

- Involved from the initial stage of requirement gathering, to understand the Business Requirements and Business Rules Subjected to Business.
- Prepared ETL Specifications to help develop mapping. Worked with Power Center Designer tools in developing mappings and Maplets to extract and load the data from flat files into Oracle database.
- Implemented code using various Informatica Transformations like Aggregator, Expression, Filter, Sequence Generator, Update Strategy, Source qualifier, Union, Lookup, Joiner, XML Source Qualifier and Stored procedure transformations.

- Maintain high standard **Data** governance by ensuring proper **data** and code access to teams and business users on different systems.
- Provided **data privacy** and protection check by adhering to quality assurance and regulatory compliance to meet business standards.
- Created **Data** Masking strategy to protect business sensitive information and created **data** assets to categorize and organize the critical **data** to feed **data** catalog.
- Developed SQL overrides in Source Qualifier/Lookup according to business requirements.
- Developed mappings/Reusable Objects/mapplets by using mapping designer, transformation developer and mapplet designer.
- Worked with different caches in optimizing the transformations such as Index cache, **Data** cache and Lookup cache Static, Dynamic, Persistence and Shared.
- Used **Informatica** Power Center Workflow manager to create sessions, batches to run the mappings.
- Implemented different Tasks in workflows which included Session, Command, Email, Event-Wait etc.
- Involved in Performance Tuning of SQL Queries, Sources, Targets and sessions by identifying and rectifying performance bottlenecks.
- Experience in supporting the enhancement of mappings in IDQ to load the cleansed **data** into target table using various IDQ transformations.
- Migrate **data** from multiple sources and integrated as per business rules and send the validated **data** to end user applications.
- Created pre-session and post session scripts using UNIX/PL-SQL.
- Tuned the Sources, Targets, Transformations and Mapping to remove bottlenecks for better performance.
- Migrated mappings, sessions, and workflows from development to testing and then to Production environments.
- Created deployment groups, migrated the code into different environments.

Client: Pfizer, Bangalore, India  
May 2016)

(Sep 2012 –

**Skills and Technologies used:** Power Center, IDQ, MDM, Oracle, SQL, PL/SQL, Shell Scripting

**Role(s):** ETL Developer & Production Support Analyst

- Develop ETL Mappings, Mapplets, Workflows, Worklets using Informatica Powercenter 9.x.
- Performed data analysis and profiling the data and creating ETL mappings based on business requirements, rules and transformations. Worked extensively with slowly changing dimensions.
- One of the key resources in Oracle's LSH tool in designing the architecture of the data warehouse structure with the minimal guidance.
- Developed Stored Procedures, Functions, Views and Triggers, Complex SQL queries using Oracle PL/SQL.
- Provided technical reviews of code and test plans created by team members.
- Prepared implementation plans for code deployment to production/test environments and Installation Quotient execution of scripts in Quality Centre tool.
- Participated in pre and post deployment tasks, integration testing and UAT.
- Addressed/Resolved technical design issues as appropriate.
- Developed Stored Procedures, Triggers, Functions and Packages to implement certain business rules.
- Production Support - Identify issues, review errors, approve resolution, and advise of potential downstream impacts.
- Experience in resolving on-going maintenance issues and bug fixes; monitoring Informatica sessions as well as performance tuning of mappings and sessions.
- Created UTC test documents to test the customized mappings.
- Created re-usable using VB macro to reduce manual day to day work.



- Created complex PL/SQL scripts to verify the **data** in production which helps in identifying the issues in earlier stage.
- Developed functions/Procedure using PL/SQL scripts for implementing complex requirements and Sequence Generations.
- Conduct knowledge sharing sessions for the onshore and offshore production team members, developers and testers on project functional areas.
- Identified Mapping Bottlenecks and Tuned performance at the source, target and mapping levels.

**Client: Pfizer, Bangalore, India**

**(Jan 2011 –**

**Aug 2012)**

#### **Project Description:**

Pfizer PACE program includes Pfizer's Greenstone and Rebate programs to be available to business with more meaningful insights. It improvised communication, bonding and working relationships among the senior management team following the extended leadership development program that Pfizer undertook with PACE. It enables them to be more engaged in their tasks and with their team members. In addition, it leverages to align their personal values with the organization's corporate values and beliefs for its continued success.

**Skills and Technologies used:** Power Center, Oracle, SQL, PL/SQL

**Role(s):** **ETL** Developer

- As **Informatica** Developer, performed **data** analysis and profiling the **data** and creating **ETL** mappings based on business requirements, rules, and transformations.
- Actively participated in the functional discussion of the interface needs to be developed with the business analysts to design the logics of the interface.
- Designed technical document of interfaces presented the code to the client after the build.
- Performed technical reviews of code and test plans created by team members.

- Proactively worked on the issues raised during the testing phases.
- Participated in pre and post deployment tasks, integration testing and UAT.
- Involved in hyper support for one month for the interface developed.
- Addressed/Resolved technical design issues as they are appropriately escalated.

# Ragapriyadharsini Muthaiyan

- Herndon, VA, US

## Contact Information

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## Work History

Total Work Experience: 13 years

- **Data** Modeler & Sr. **ETL** Developer NCLH  
Jun 01, 2022
- **ETL** Lead & Sr. **ETL** Developer T-Mobile  
Nov 01, 2017
- **ETL** Developer & Production Support Analyst Pfizer  
May 01, 2016
- **ETL** Developer & Production Support Analyst Pfizer  
Sep 01, 2012
- **ETL** Developer Pfizer  
Jan 01, 2011

## Skills

- **data** warehouse - 11 years
- **informatica** powercenter - 11 years
- **microsoft sql server dba** - 11 years
- **data** architecture - 10 years
- **oracle cloud** - 10 years

## Work Preferences

- Desired Work Settings: No Preference
- Likely to Switch: False
- Willing to Relocate: True
- Travel Preference: 100%
- Work Authorization:
  - US
- Work Documents:
  - Have H1 Visa
- Desired Hourly Rate: 70+ (USD)
- Security Clearance: False
- Third Party: True
- Employment Type:
  - Contract - Corp-to-Corp

## Profile Sources

- Dice:  
<https://www.dice.com/employer/talent/profile/67b5e7f76d84345b1e0e9eecbbc86d67>