**Gayathri R**

[**rgayathri030@gmail.com**](mailto:rgayathri030@gmail.com)

**510-240-9052**

# PROFESSIONAL SUMMARY:

# 8 years of experience in IT in the areas of analysis, design, development and testing, Data Warehousing with expertise in Informatica Power Center, Informatica Data Quality, PL/SQL programming(Teradata & Oracle), Autosys and Unix Shell Scripting.

* Involved in complete software development life cycle (SDLC) of project with experience in domains like **Healthcare, Insurance, Pharma and broad casting**.
* Extensive experience in **ETL** (Extract Transform Load), Data Integration and Data Warehousing using Informatica Power Center with strong background in **ETL** Data warehousing
* Expertise in Data Warehousing Concepts & Data Warehousing Architecture; thorough knowledge on Dimensional Data Model, Conceptual Data Model, Logical Data model, Physical Data Model.
* Experience on data profiling & various **Data Quality** rules development using Informatica Data Quality (IDQ).
* Experience in development of mappings in IDQ to load the cleansed data into the target table using various **IDQ** transformations
* Exposure in loading data, troubleshooting,Debugging mappings, performance tuning of **Informatica** objects & fine-tuned transformations making them efficient in terms of session performance.
* Strong Experience in creating Transformations such as Aggregation, Expression, Update Strategy, Lookup, Joiner, Rank, Router and Source Qualifier Transformations in the Informatica Designer.
* Experience in **Informatica** mapping specification documentation, tuning mappings to increase performance, proficient in creating and scheduling workflows and expertise in Automation of **ETL** processes with scheduling tools such as **Autosys.**
* Experience in source systems analysis and data extraction from various sources like Flat files, Oracle 11g/10g/9i/8i, DB2 UDB.
* Strong Experience in Designing ETL packages using different data sources (SQL Server, Flat Files, and XMLs etc.) and loaded the data into target data sources by performing different kinds of transformations using SQL Server Integration Services **(SSIS)**
* Converted SAS scripts to Informatica.
* Migrated **SSIS** to Informatica.
* Experience in Performance Tuning. Identified and fixed bottlenecks and tuned the complex **Informatica** mappings for better Performance.
* Experience in using **Teradata** Utilities such as T pump,Fast Load and M load. Created BTEQ scripts.
* knowledge of **Dimensional Data Modeling** like Star Schema, Snowflake Schemas, Facts and Dimension Tables, Physical and Logical Data Models.
* knowledge in designing tools like MS Visio, Erwin
* Experience with the healthcare data in**HIPPA ANSI X12, 4010, 501** formats including NDC, DRG, CPT, NCPDP, NSF code,**ICD 10**,**ICD 9**, 997,837,834,835,277,271,270
* Experience in writing complex sub queries, PL/SQL programs (functions, procedures, packages), stored procedures, and shell scripting to run pre-session and post session commands.
* Worked with **heterogeneous data sources** like Oracle, SQL Server 2008/2005, flat files, XML files, DB2 UDB, Main Frames and COBOL files.
* Perform error handling as part of production support on **Informatica** as well as Unix.
* Hands on experience on **Oracle Data Integrator** (ODI) as business intelligence tool, for real time data integration.
* Excellent communication skills, team player, ability to work individually and meet tight deadlines.
* Extensive experience in writing SQL scripts to validate the database systems and for backend database testing.
* Strong Team Player with communication and relationship management skills.

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| **ETL Tools:** | Informatica Power Center, Power Exchange 9.5/8.6/8.1 7.1, Metadata Manager, Power-Exchange, Informatica Data Quality (IDQ), Informatica Data Explorer (IDE), MDM, SSIS, DataStage, Salesforce etc. |
| **Reporting Tools:** | Business Objects XIR2/6.1/5.0, Qlikview, OBIEE, Microstrategy, Oracle Analytics, etc., |
| **Databases:** | Oracle 11g/10g, MS SQL Server 2008/2005/2000, MS Access, IBM, DB2,Teradata 14.0,Netezaa 4.0, Siebel CRM, PeopleSoft |
| **Data Modeling:** | Data Modeling, Dimensional Data Modeling, Star Schema Modeling, snow Flake Modeling, FACT and Dimensions Tables, Physical and Logical Data Modeling. |
| **Hadoop Ecosystem** | HDFS, Map Reduce, Sqoop, Syncsort. |
| **DB Tools:** | TOAD, SQL Developer, SQL Assistant, Visio, ERWIN |
| **Languages:** | C, C++, Java, SQL, PL/SQL, Unix Shell Scripting |
| **Operating Systems:** | UNIX, Windows 7/Vista/Server 2003/XP/2000/9x/NT/DOS |

**PROFESSIONAL EXPERIENCE:**

**United Health Group, Minneapolis MN (Health Care)**

**Informatica/ETL DeveloperSeptember 2016 to Till Date**

**RESPONSIBILITIES:**

* Translated the business processes/SAS code into **Informatica** mappings for building the data mart.
* Used **Informatica** Power Center to load data from different sources like flat files and Oracle, Teradata into the Oracle Data Warehouse.
* Applied Business rules that identify the relationships among the data using Informatica Data Quality (IDQ 8.6 8.6).
* Modified existing Informatica Data Quality (**IDQ** 8.6 8.6) Workflows to integrate the business rules to certify the quality of the Data.
* Defined measurable metrics and required attributes for the subject area to support a robust and successful deployment of the existing Informatica MDM 9.5 platform.
* Worked on CDC (Change Data Capture) to implement SCD (Slowly Changing Dimensions).
* Hands On experience creating, converting oracle scripts (SQL, PL/SQL) to TERADATA scripts.
* Configure rules for power center operations team, no file monitoring, process not started, reject records and long running jobs.
* Worked with Informatica Data Quality toolkit, Analysis, data cleansing, data matching, data conversion, exception handling, and reporting and monitoring capabilities of **IDQ**.
* Performed the data profiling and analysis making use of **Informatica** Data Explorer (IDE) and Informatica Data Quality (IDQ).
* Involved in analyzing the **ICD 9** and **ICD 10** for the data mapping from **ICD 9 - ICD 10** and **ICD 10- ICD 9** in source and target level.
* Assisted the QC team in carrying out its QC process of testing the **ETL** components.
* Creating the Technical specification documents for the new HANA/BW/BI objects.
* Created mappings using Data Services to load data into **SAP HANA**.
* Involved in **Data Quality** checks by interacting with the business analysts.
* Performing Unit Testing and tuned the mappings for the better performance.
* Maintained documentation of **ETL** processes to support knowledge transfer to other team members.
* Created various unix shell Scripts for scheduling various data cleansing scripts and automated execution of workflows.
* Created data Informatica Cloud synchronization tasks & amp; Tasks flows to extract the data from Salesforce and loading the data from files to Salesforce.
* Responsible for requirement definition and analysis in support of Data Warehousing efforts.
* Developed **ETL** mappings, transformations using **Informatica** Power Center 8.6.
* Developed data Mappings between source systems and target system using Mapping Designer.
* Created **SSIS ETL** packages to get data from different sources like Flat files, MS Excel, MS Access.
* Developed shared folder architecture with reusable Mapplets and Transformations.
* Worked with the Debugger for handling the data errors in the mapping designer.
* Created events and various tasks in the work flows using workflow manager.
* Responsible for tuning **ETL** procedures to optimize load and query Performance.
* Setting up Batches and sessions to schedule the loads at required frequency using Informatica workflow manager and external scheduler.
* Extensive Data modeling experience using Dimensional Data modeling, Star Schema modeling, Snowflake modeling, and FACT and Dimensions tables.
* Tested the mapplets and mappings as per Quality and Analysis standards before moving to production environment.
* Migrated development mappings as well as hot fixes them in production environment.
* Involved in writing shell scripts for file transfers, file renaming and several other database scripts to be executed from UNIX.
* Migrating Informatica Objects using Deployment groups.
* Trouble issues in TEST and PROD. Do impact analysis and fix the issues.
* Worked closely with business analysts and gathered functional requirements. Designed technical design documents for **ETL** process.
* Analyzed existing issues affecting the data quality and analyzed the tables in Teradata to identify any potential data issues
* Involved as a part of Production support.

**ENVIRONMENT:** Informatica Power Center 9.1, Informatica MDM 9.5, IDQ 8.6 8.6, Power Exchange, Teradata, Data Quality, Oracle11g, MS Access, UNIX Shell Scripts, Windows NT/2000/XP, SQL Server 2008, SSIS, OBIEE, Qlikview, Teradata, SQL Assistant, Netezza, DB2.

**Life Time Fitness, Minneapolis MN (Health Care)**

**Informatica/ETL Developer March 2015 to August 2016**

**RESPONSIBILITIES:**

* Development of scripts for loading the data into the base tables in EDW using FastLoad, MultiLoad and BTEQ utilities of TERADATA.
* Worked on TERADATA SQL, BTEQ, MLoad, FastLoad, and FastExport for Ad-hoc queries, and build UNIX shell script to perform **ETL** interfaces BTEQ, FastLoad orFastExport. Created numerous Volatile, Global, Set, MultiSet tables.
* Extensively used **ETL** Tool **Informatica** to load data from Flat Files, Oracle, SQL Server, Teradata etc.
* Developed data mappings between source systems and target system using **Mapping Designer**.
* Developed shared folder architecture with reusable Mapplets and Transformations.
* Created batch jobs for Fast Export.
* Prepared Conceptual Solutions and Approach documents and gave Ballpark estimates.
* Design and developed Amazon Redshift databases
* Worked with XML, Redshift, Flat file connectors.
* Prepared Business Requirement Documents, Software Requirement Analysis and Design Documents (SRD) and Requirement Traceability Matrix for each project workflow based on the information gathered from Solution Business Proposal document.
* Data modeling and design of data warehouse and data marts in star schema methodology with confirmed and granular dimensions and FACT tables.
* Used Teradata Utilities fastload, multiload, tpump to load data.
* Created SSIS ETL packages to get data from different sources like Flat files, MS Excel, MS Access.
* Involved in Migration projects to **migrate data** from data warehouses on Oracle/DB2 and migrated those to Teradata
* Loading data from large data files into Hive tables.
* Importing and exporting data into **HDFS and Hive using Sqoop.**
* Coordinated and worked closely with legal, clients, third-party vendors, architects, DBA’s, operations and business units to build and deploy.
* Used Data stage to manage the Metadata repository and for import /export for jobs.
* Worked with Connected and Unconnected Stored Procedure for pre& post load sessions
* Designed and Developed pre-session, post-session routines and batch execution routines using Informatica Server to run Informatica sessions.
* Used PMCMD command to start, stop and ping server from UNIX and created Shell scripts to automate the process.
* Used **Informatica** Power Exchange for Mainframe was used to read/write VSAM files from/to the Mainframe.
* Worked on production tickets to resolve the issues in a timely manner.
* Prepared Test Strategy and Test Plans for Unit, SIT, UAT and Performance testing.

**ENVIRONMENT:** Informatica Power Center 9.x,IDQ, Hadoop, Hive, Oracle 10g, Metadata,datastage, Teradata,SQL Server 2008,SSIS,Toad, SQL Plus, SQL Query Analyzer, SQL Developer, MS Access, Tivoli Job Scheduler, Windows Azure.

**Teva Pharmaceutical, Horsham, PA (Pharma)**

**Informatica/ETL developer November 2013 to February 2015**

**RESPONSIBILITIES:**

* Performed the data profiling and analysis making use of Informatica Data Quality **(IDQ).**
* Proficient in importing/exporting large amounts of data from files to TERADATA and vice versa.
* Developed the DW ETL scripts using BTEQ, Stored Procedures, Macros in TERADATA
* Development of scripts for loading the data into the base tables in EDW using FastLoad, MultiLoad and BTEQ utilities of TERADATA.
* Created numerous scripts with TERADATA utilities BTEQ, MLOAD and FLOAD
* Analyzed the functional specifications provided by the data architect and created Technical System Design Documents and Source to Target mapping documents.
* Involved in Designing High Level Technical Documentation based on specification provided by the Manager.
* Agile data loading for Amazon Redshift using **Informatica**’s drag-and-drop based cloud designer to create integrations with multiple source objects and targets.
* Created all the Target Table DDLs and as well the Source table DDLs in Teradata.
* Converted the data mart from Logical design to Physical design, defined data types, Constraints, Indexes, generated Schema in the Database, created Automated scripts, defined storage parameters for the objects in the Database.
* Developed data Mappings between source systems and target system using Mapping Designer.
* Developed shared folder architecture with reusable Mapplets and Transformations.
* Designed and developed **Informatica** mappings for data loads and data cleansing.
* Performance tuned **ETL** processes at the mapping, session and Database level.
* Integrated sources from different databases and flat files.
* Mapplets and Reusable Transformations were used to prevent redundancy of transformation usage and maintainability.
* Independently perform complex troubleshooting, root-cause analysis, solution development
* Involved in end to end system testing, performance and regression testing and data validations and Unit Testing.
* Basic **Informatica** administration such as creating folders, users, privileges, server setting optimization, and deployment groups, etc.
* Designed Audit table for **ETL** and developed Error Handling Processes for Bureau Submission.
* Created various UNIX Shell Scripts for scheduling various data cleansing scripts and automated execution of workflows.
* Used **InformaticaIDQ** to do data profiling of the source and check for the accuracy of data using dashboard.
* Managed Change Control Implementation and coordinating daily, monthly releases and reruns.
* Responsible for Code Migration, Code Review, Test Plans, Test Scenarios, Test Cases as part of Unit/Integrations testing, UAT testing

**ENVIRONMENT:** Informatica Power Center 9.1.6/9.1.0, Informatica Developer Client, IDQ, MDM, Power Exchange, SAP, Oracle 11g, Teradata, PL/SQL, TOAD, SQL SERVER 2005/2008, XML, UNIX, Windows XP.

**XM Satellite Radio, Washington DC (Broad Casting)**

**Informatica Developer December 2012 to October 2013**

**RESPONSIBILITIES:**

* Involved in all the phases of **SDLC.**
* Worked closely with business analysts and data analysts to understand and analyze the requirement to come up with robust design and solutions.
* Involved in standardization of Data like of changing a reference data set to a new standard.
* Data if validated from third party before providing to the internal transformations should be checked for its accuracy (DQ).
* Involved in massive data profiling prior to data staging.
* Created profiles and score cards for the users.
* Created Technical Specification Documents and Solution Design Documents to outline the implementation plans for the requirements.
* Involved in testing of Stored Procedures and Functions, Unit and Integrating testing of Informatica Sessions, Batches and the Target Data.
* Involved in massive data cleansing prior to data staging from flat files.
* Responsible for developing, support and maintenance for the **ETL** (Extract, Transform and Load) processes using Informatica Power Center 9.5 by using various transformations like Expression, Source Qualifier, Filter, Router, Sorter, Aggregator, Update Strategy, Connected and unconnected look up etc.
* Created Informatica components required to operate Data Quality (Power Center required)
* Designed best practices on Process Sequence, Dictionaries, Data Quality Lifecycles, Naming Convention, and Version Control.
* Developed scripts for creating tables, views, synonyms and materialized views in the data mart.
* Involved in designing and developing logical and physical data models to best suit the requirements.
* Created PL/SQL programs like procedures, function, packages, and cursors to extract data from Target System.
* Utilized dimensional and star-schema modeling to come up with new structures to support drill down.
* Converted business requirements into highly efficient, reusable and scalable Informatica ETL processes.
* Created mapping documents to outline source-to-target mappings and explain business-driven transformation rules.
* Data if sourced from database that has valid not null columns should not undergo DQ check for completeness.

**Environment:** Informatica Power Center 9.1/8.6, PL/SQL Developer, Oracle 11g, UNIX, Microsoft SQL Server, TOAD, Teradata, Netezza.

**Max New York Life Insurance, India (Insurance)**

**Informatica/ETL Consultant May 2009 to November 2012**

**RESPONSIBILITIES:**

* Analyzed the functional specifications provided by the data architect and created Technical System Design Documents and Source to Target mapping documents.
* Converted the data mart from Logical design to Physical design, defined data types, Constraints, Indexes, generated Schema in the Database, created Automated scripts, defined storage parameters for the objects in the Database.
* Performed Source System Data Profiling using Informatica Data Explorer (IDE).
* Involved in designing Staging and Data mart environments and built DDL scripts to reverse engineer the logical/physical data model using Erwin.
* Extracted data from SAP using Power Exchange and loaded data into SAP systems.
* Implemented pushdown, pipeline partition, persistence cache for better performance.
* Developed reusable transformations and Mapplets to use in multiple mappings.
* Implementing Slowly Changing Dimensions (SCD) methodology to keep track of historical data.
* Assisted the QC team in carrying out its QC process of testing the **ETL** components.
* Created pre-session and post-session shell scripts and email notifications.
* Involved in complete cycle from Extraction, Transformation and Loading of data using Informatica best practices.
* Involved in Data Quality checks by interacting with the business analysts.
* Performing Unit Testing and tuned the mappings for the better performance.
* Maintained documentation of **ETL** processes to support knowledge transfer to other team members.
* Created various unix shell Scripts for scheduling various data cleansing scripts and automated execution of workflows.
* Involved as a part of Production support.
* Informatica Power Exchange for Mainframe was used to read/write VSAM files from/to the Mainframe.
* Basic Informatica administration such as creating folders, users, privileges, server setting optimization, and deployment groups, etc.
* Designed Audit table for **ETL** and developed Error Handling Processes for Bureau Submission.
* Managed Change Control Implementation and coordinating daily, monthly releases and reruns.
* Responsible for Code Migration, Code Review, Test Plans, Test Scenarios, Test Cases as part of Unit/Integrations testing, UAT testing.
* Used Teradata Utilities such as Mload, Fload and Tpump.

**ENVIRONMENT:** Informatica Power Center 9.1.1, Informatica Developer Client, IDQ, Power Exchange, SAP, Oracle 11g, PL/SQL, TOAD, SQL SERVER 2005/2008, XML, UNIX, Windows XP, OBIEE, Teradata.

**EDUCATION**: Bachelors,JNTU, Hyderabad, India-Graduated 2008.