Gayathri R

Sr. Informatica Developer

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510-240-9052

**PROFESSIONAL SUMMARY:**

* 7+ years of experience in IT in the areas of analysis, design, development and testing in client server environment with focus on Data warehousing applications using ETL/OLAP tools **like Informatica, Business Objects with Oracle, SQL Server databases, SSIS**, etc.
* Involved in complete **software development life cycle** (SDLC) of project with experience in domains like Healthcare, Insurance, Pharma and broad casting.
* Strong experience in Informatica administration and was involved in maintaining **Informatica Repository and Server processes**, performing code migration from DEV to TEST/ PROD, backup and restoring of Informatica Repository and upgrades.
* Experience in business requirements gathering, define and capture metadata for business rules, system analysis, design, development, production support, testing, user training, and strategic decision making, problem solving associated with the ETL processes by working closely with **BI team**.
* 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 developing Enterprise level Data warehouse **(EDW)**, Data marts and Operational databases.
* Experience in creating complex mappings using various transformations, and developing strategies for Extraction, Transformation and Loading (ETL) mechanism by using **Informatica 9.1.6/9.1.0/8.6/7.x/6.x/5.x.**
* Experience in source systems analysis and data extraction from various sources like **Flat files, Oracle 11g/10g/9i/8i, DB2 UDB.**
* Extensive experience using tools and technologies such as **Oracle 11g/10g/9i/8i, SQL Server 2000/2005/2008, DB2 UDB, Sybase, Teradata 13/12/ V2R5/V2R4, Netezza MS Access, SQL, PL/SQL, SQL\*Plus, Sun Solaris 2.x, Erwin 4.0/3.5, SQL\* Loader, TOAD, Stored procedures, triggers.**
* Experience in Performance Tuning.
* Identified and fixed bottlenecks and tuned the complex Informatica mappings for better Performance.
* Experience in using **Teradata** Utilities such as **Tpump, Fast Load and Mload**,**BTEQ scripts**.
* Experienced in the development, modification of **UNIX SHELL SCRIPT**.
* Experience in development of Big Data projects using **Hadoop, HDFS, Map Reduce, Hive**.
* ETL Development for Hadoop based ODS using Java, Oracle PL/SQL
* Strong **data modeling** experience using Star/Snowflake schema, Re-engineering, Dimensional Data modeling, Fact & Dimension tables, Physical & logical data modeling.
* 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).
* 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.
* Migrated SSIS to Informatica.
* Perform error handling as part of production support on Informatica as well as Unix.
* Experience in performance tuning of sources, transformations, targets, mapplets, mappings, worklets, workflows, sessions and batches.
* Expertise in using **GUI tools** like Erwin, Toad, SQL Developer, SQL Navigator and SQL \*Loader.
* Excellent communication skills, team player, ability to work individually and meet tight deadlines.
* Experience in Installation, Configuration, and Administration of Informatica Power Center 9.x/8.x/7.x/6.x, power exchange8.1 and Power Mart 5.x/6.x Client, Server.
* Experience in Validating ETL Tools like Informatica Power Center.
* Hands on experience on Oracle Data Integrator (ODI) as business intelligence tool, for real time data integration.
* Extensive experience in writing SQL scripts to validate the database systems and for backend database testing.
* Expertise in defining Test Strategies, writing detailed Test Plan and Test Cases, Defect Tracking and Defect Reporting using Mercury Quality Center.
* Experience working in agile environment.
* Adaptable and proficient in the design and programming of systems in a wide variety of areas including Real Time Systems.
* Strong Team Player with communication and relationship management skills.

**TECHNICAL SKILLS**

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| **Operating Systems** | UNIX, Windows 7/Vista/Server 2003/XP/2000/9x/NT/DOS |
| **ETL Tools** | Informatica Power Center 9.6/9.5/9.0/8.6/8.5/8.1.1/7.1.2/6.1, Informatica Power Exchange 7.x/8.x ,Data stage, Informatica Data Quality (IDQ), Informatica Analyst , Informatica MDM , Metadata Manager. |
| **Tools** | TOAD, SQL Developer, SQL Assistant, Visio, ERWIN |
| **Databases** | Oracle 11g/10g, MS SQL Server 2008/2005/2000, MS Access, IBM, DB2, Teradata 14.0, Netezaa 4.0, Siebel CRM, PeopleSoft |
| **Database utilities** | SQL \*plus, Stored procedures, Functions, Exception handling. |
| **Data Modeling tool/ Methodology** | Data Modeling, Dimensional Data Modeling, Star Schema Modeling, Snow Flake Modeling, FACT and Dimensions Tables, Physical and Logical Data Modeling. |
| **Languages** | C, C++, Java, SQL, PL/SQL, Unix Shell Scripting. |
| **Reporting Tools** | Business Objects XIR2/6.1/5.0, Qlikview , OBIEE, MicroStrategy , Oracle Analytics, etc. |

**PROFESSIONAL EXPERIENCE:**

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

**Senior Informatica Developer**

**September 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.
* 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.
* 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.
* Responsible for requirement definition and analysis in support of Data Warehousing efforts.
* Developed ETL mappings, transformations using Informatica Power Center.
* Loaded data in to the Teradata tables using Teradata Utilities BTEQ, Fast Load, Multi Load, and Fast Export, TPT.
* Developed data Mappings between source systems and target system using Mapping Designer.
* Responsible for Test and Production issue resolutions.
* Developed shared folder architecture with reusable Mapplets and Transformations.
* Extensively 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.
* Worked with Informatica Data Quality (IDQ) 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).
* Taken part of Informatica administration. 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.
* Expert in Data Extraction, Transforming and Loading (ETL) using SQL Server Integration Services (SSIS).
* Extensive experience in designing, developing and delivering business intelligence solutions using SQL Server Integration Services(SSIS)and Reporting Services (SSRS).
* 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.
* Agile data loading using Informatica’ s drag-and-drop based cloud designer to create integrations with multiple source objects and targets.
* Developed Unit test cases and Unit test plans to verify the data loading process and Used UNIX scripts for automating processes.
* Involved as a part of Production support.

**ENVIRONMENT:** Informatica Power Center 9.1, Power Exchange, Teradata, 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 Developer**

**March 2015 to August 2016**

**Responsibilities:**

* Involved in gathering and reviewing business requirements and designing the specifications, Design Documents, Data modeling and design of data warehouse.
* Responsible for definition, development and testing of processes /programs necessary to extract data from operational databases, Transform and cleanse data, and Load it into data warehouse using Informatica Power center.
* Performed the data profiling and analysis making use of Informatica Data Quality (IDQ).
* Created the repository manager , user groups and their access profiles.
* Involved in massive data profiling prior to data staging.
* Created profiles and score cards for the users.
* Created complex mappings in Power Center Designer using Expression, Filter, Sequence Generator, Update Strategy, Joiner and Stored procedure transformations.
* Created connected and unconnected Lookup transformations to look up the data from the source and target tables.
* Development of scripts for loading the data into the base tables in EDW using FastLoad, MultiLoad and BTEQ Utilities Stored Procedures of TERADATA.
* Created numerous scripts with TERADATA utilities BTEQ, MLOAD and FLOAD
* Implemented slowly changing dimensions (SCD) for some of the Tables as per user requirement.
* Created various UNIX Shell Scripts for scheduling various data cleansing scripts and automated execution of workflows.
* Implemented CDC for mappings so as to capture the changes and preserve history.
* Modeling and populating the business rules using mappings into the Repository for Meta Data management.
* Extensively worked on migrations and Conversions with legacy systems data in SQR Production Reporting.
* Demonstrated expertise utilizing ETL tools, including Informatica and ETL package design, and RDBMS systems like SQL Server, Oracle.
* Cleansed the source data, extracted and transformed data with business rules, and built reusable mappings, known as ‘Mapplets’ using Informatica Designer.
* Involved in the development of Informatica mappings and also performed tuning for better performance.
* Extensively worked on tuning (Both Database and Informatica side) and thereby improving the load time.
* Automated the entire processes using UNIX shell scripts.
* Conduct status meetings with project managers, escalate issues when necessary, conducts meetings for issues resolution.
* Implemented performance tuning logic on Targets, Sources, mappings, sessions to provide maximum efficiency and performance.
* Interacted with Lead Developers, System Analysts, Business Users, Architects, Test Analysts, Project Managers and peer developers to analyze system requirements, design and develop software applications.
* Used Informatica IDQ to do data profiling of the source and check for the accuracy of data using dashboard.
* Taken part of Informatica administration. Migrated development mappings as well as hot fixes them in production environment.
* Technical solutions and supporting deliverables will be constructed to enable Well Care clients to accomplish their business objectives.
* Created new extracts for external vendors and use Informatica ETLs for new workflows to move data out of multiple data sources.
* Expert in Data Extraction, Transforming and Loading (ETL) using SQL Server Integration Services (SSIS).
* Extensive experience in designing, developing and delivering business intelligence solutions using SQL Server Integration Services(SSIS)and Reporting Services (SSRS).
* Unit test coding changes, fill out required documentation such as installation instructions, and follow standards and procedures.
* Provided Tier l support duties for Informatica Production Support,Keep the Production Support team management informed of any issues or concerns.
* New development and support task responsibilities.

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

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

**Informatica developer**

**November 2013 to February 2015**

**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.
* Used IDQ address validation transformation to generate various reports.
* 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.
* Designed and developed Mappings for loading MDM HUB.
* 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.
* Implemented slowly changing dimensions Type 2 using ETL Informatica tool.
* 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 SSIS packages to process all excel files within folder, File System Task to move file into transaction log data into the SQL table, file watcher task to seek for the particular file into individual folder, Execute SQL task to execute.
* Involved in performance tuning and query optimization.
* Expertise in Extraction, Transforming and Loading (ETL) data using SSIS creating .
* Created SSIS ETL packages to get data from different sources like Flat files, MS Excel, MS Access.
* Created Use-Case Documents to explain and outline data behavior.
* 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.
* Designed mappings to read data from various relational and file source systems such as Teradata, Oracle, flat files and XML files.

**Environment:**Informatica Power Center 9.x, Informatica IDQ, Oracle 10g, Teradata ,SQL Server 2008, Toad, SQL Plus, SQL Query Analyzer, SQL Developer, MS Access, Windows NT, Shell Scripting, Clear Quest, Tivoli Job Scheduler, Windows Azure.

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

**Informatica Developer**

**December 2012 to October 2013**

**Responsibilities:**

* Design, Development and Documentation of the ETL (Extract, Transformation & Load) strategy to integrate different interfaces.
* Extensively used Informatica Designer to create and manipulate source definitions, target definitions, mappings, mapplets, transformations, re-usable transformations, etc.
* Extensively used Informatica to load data from Oracle 9 and flat files into the target Oracle 10g database.
* Used various transformations like Joiner, Aggregator, Expression, Lookup, Filter, Update Strategy and Stored Procedures.
* Development of scripts for loading the data into the base tables in EDW using FastLoad, MultiLoad, Stored Procedures and BTEQ utilities of TERADATA.
* Used Mapplets and Reusable Transformations to prevent redundancy of transformation usage and maintainability.
* Created and scheduled workflows using Workflow Manager to load the data into the Target Database.
* 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 SSIS packages to process all excel files within folder, File System Task to move file into transaction log data into the SQL table, file watcher task to seek for the particular file into individual folder, Execute SQL task to execute
* Expertise in Extraction, Transforming and Loading (ETL) data using SSIS creating .
* Created SSIS ETL packages to get data from different sources like Flat files, MS Excel, MS Access.
* Involved in performance tuning of Targets, Sources, and Mappings. Improved performance by identifying performance bottlenecks.
* Worked on different tasks in Workflows like sessions, events raise, event wait, e-mail and timer for scheduling of the workflow.
* Involved in meetings to gather information and requirements from the clients.
* Involved in Designing the ETL process to extract, translate and load data from flat files to warehouse data base.
* Developed Unit test cases and Unit test plans to verify the data loading process and Used UNIX scripts for automating process.
* Extensively used Variables, Break points, and Sorted inputs.
* Documented the number of source / target rows and analyzed the rejected rows and worked on re-loading the rejected rows.
* Created UNIX shell scripting and automation of scheduling processes.

**Environment:** Informatica Power Center 9.1/8.6, , PL/SQL Developer, Oracle 10g, UNIX, Microsoft SQL Server, TOAD,Teradata, Netezza.

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

**Informatica/ETL Consultant**

**May 2009 to November 2012**

**Responsibilities:**

* Used **Informatica PowerCenter for (ETL)** extraction, transformation and loading data from heterogeneous source systems into target database.
* Used Mappings, Sessions, Workflows from Development to Test
* Developed Informatica Mappings and Reusable Transformations to facilitate timely Loading of Data of a STAR SCHEMA.
* Developed the Informatica Mappings by usage of Aggregator, SQL overrides usage in Lookups, source filter usage in Source qualifiers, and data flow management into multiple targets using Router.
* Involved in creating and maintaining various database objects like SQL Joins, synonyms and aggregate conditions and worked on various databases and their connectivity from various parts of the Source Systems.
* Involved in extracting the data from the Flat Files and other RDMS databases into staging area and pro-actively involved in Storage of data.
* Created Sessions and extracted data from various sources, transformed data according to the requirement and loading into data warehouse.
* Used various transformations like Filter, Expression, Sequence Generator, Update Strategy, Joiner, Router and Aggregator to create robust mappings in the Informatica PowerCenter Designer.
* Worked on Informatica Power Center tools- Mapping Designer, Repository Manager, Workflow Manager and Workflow Monitor.
* Migrated Mappings, Sessions, Workflows from Development to Test and then to Production environment and development.
* Prepare DR plan and recovery process for GDW application.
* Monitoring all the environments regularly and provided 24x7 production support for Informatica/Hyperion.
* 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.
* Create RTM, Document process and transfer knowledge.

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

**EDUCATION**

**Bachelors of Engineering** in **Computer Science,** JNTU, Hyderabad, and India- Graduated 2008.