**Rajashekar**

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**Professional Summary:**

* 8+ years of experience in Teradata Warehouse Modeling, Teradata Utilities, Aggregates and building efficient views.
* Good Exposure to Teradata SQL and BTEQ Scripting.
* Proficient in Database Sizing, Capacity Planning, Database Performance Monitoring, Database Backup/Recovery and SQL Query Tuning.
* Good exposure to Data Warehousing applications, directly responsible for the Extraction Transformation and Loading (ETL) data of multiple formats into Data Warehouse.
* Extensively worked on BTEQ and having good knowledge on utilities including Multi Load, Fast Export, Fast Load, T-pump and Teradata Parallel Transport.
* Used UNIX shell scripts for automating tasks for BTEQ and other utilities.
* Familiar in Creating Secondary indexes, and join indexes.
* Experienced in handling Relational Data Modeling and Dimensional Data Modeling.
* Secondary Skill set includes Informatica/Mainframe ETL.
* Highly experienced in whole cycle of DTS/SQL server integration services SSIS Packages (Developing, Deploying, Scheduling, Troubleshooting and monitoring) for performing Data transfers and ETL Purposes across different servers.
* Experienced in Creating, Configuring and Fine-tuning ETL workflows designed between Homogenous and Heterogeneous Systems using SSIS.
* Expert in generating writing parameterized queries, drill through reports and formatted SQL server Reports in SSRS 2005/R2 using data from ETL Loads.
* Expertise in using global variables, expressions and functions for the reports with immense experience in handling sub reports in SSRS.
* Experienced in gathering system design requirements, design and write system specifications.
* Good team player with excellent technical and interpersonal skills.
* Pro-active, self-motivated and able to work independently as well as in team.
* Excellent Documentation and Process Management skills with an ability to effectively understand the business requirements to develop a quality product.
* Strong problem solving, analytical, interpersonal, written and oral communication skills and have the ability to work both independently and as a team.

**Technical Expertise:**

Primary Tools: Teradata SQL, Teradata tools &Utilities

Utilities: SQL Assistant, BTEQ, FastLoad, MutliLoad, Teradata Manager Fast Export, Archive/Restore, configuration/Reconfiguration, Table Rebuild, Tpump, Teradata Parallel Transport utility.

Languages: Teradata SQL, C

Databases:

Operating Systems:

Data Modeling: Star/ ETL, OLAP

Scripting Languages: UNIX Shell Scripting, BTEQ.

**Professional Experience:**

**Alliant Energy, Madison, WI March '2017 - Till Date**

**Senior Teradata/ETL Informatica Power Center Developer**

**Responsibilities:**

* Implementing PL/SQL queries, triggers and Stored Procedures as per the design and develop related requirements of the project.
* Handling the File transfer through SFTP Scripts, which are running through Informatica and also have good knowledge in Unix Shell Scripting.
* Extensively using the Teradata utilities like BTEQ scripts, MLOAD and FLOAD scripts to load the huge volume of data.
* Designed ETL processes for optimal performance.
* Working on moving the code from DEV to QA to PROD and perform complete Unit Testing, Integration Testing, user Acceptance Testing for the three environments while moving the code.
* Other Teradata duties include managing workloads and performance using Teradata TASM, Teradata Dynamic Workload Manager and View Point.
* Managed View Point (defined View Point portlets, managed access, provided View Point training to users, creating alerts).
* Created Parameter files to pass database connections, parameter entries for source and target.
* Implemented Target Load Plan and Pre Session and Post Session Scripts.
* Created test cases and test scripts to validate data.
* Created complex Informatica mappings, re-usable transformations and prepared various mappings to load the data into different stages like landing, staging and target tables.
* Working with cross-functional teams to resolve the issues.
* Using the debugger in Informatica to test the mappings and fix the mappings.
* Prepared various mappings to load the data into different stages like Landing, Staging and Target tables.
* Involved in analysis for future migration of Informatica to SSIS and knowledge on SSIS tool.
* Created various tasks like Session, Command, Timer and Event wait.
* Modified several existing mappings based on the user requirements and maintained existing mappings, sessions and workflows.
* Tuned the performance of mappings by following Informatica best practices and also applied several methods to get best performance by decreasing the run time of workflows.

**Environment:** Teradata 14/13.10, Teradata SQL Assistance, Teradata Utilities, TASM, M load, Fast load, T pump, Fast export, Teradata Parallel Transporter (TPT), BTEQ, Teradata SQL Assistant, Oracle11i, Informatica Power Center9.6/9.1, SSIS 2017, Windows, UNIX, Autosys, Business Objects XI R2, Linux, Korn shell.

**Intermountain Health Care, Salt Lake City, UT March '2016 - Feb ‘2017**

**Teradata Developer**

**Responsibilities:**

* Communicated with business users and analysts about business requirements and analyzed the specifications provided by the clients.
* Reviewed mapping documents provided by Business Team, implemented business logic embedded in mapping documents into Teradata SQLs and loaded tables needed for Data Validation.
* Interacted with people from various teams in the Project like Oracle/ETL/Teradata DBAs, Control-M Schedulers, Micro strategy (BI) Reporting etc. to aid in the smooth functioning of the Project flow.
* Worked on complex queries to map the data as per the requirements.
* Coded using BTEQ SQL of TERADATA, wrote UNIX scripts to validate, format and execute the SQL's on UNIX environment.
* Used various Transformations, Dataflow and Control Flow, Implemented Event Handlers and Error Handling in SSIS.
* Involved in the code reviews conducted by the teams.
* Worked on deploying solutions using version control systems like Subversion.
* Created UNIX Scripts for triggering the Stored Procedures and Macro's.
* Created test cases and performed unit testing for the SQL views and documented the Unit testing results and reviewed the Integration test cases.
* Populated or refreshed Teradata tables using Fast load, Multi load & Fast export utilities for user Acceptance testing.
* Production Implementation and Post Production Support.
* Worked with Scheduling team on finding the feasible time to run the jobs.
* Created views based on user and/or reporting requirements.
* Performance tuning the long running queries.
* Reduced Teradata space used by optimizing tables - adding compression where appropriate and ensuring optimum column definitions.

**Environment:** TeradataV14, BTEQ, Teradata SQL Assistant, Multiload, fastload, fastexport, SQL, SSIS, UNIX, Windows-XP, Control-m Scheduling Tool.

**DTE Energy - Detroit, MI Feb '2014 - Feb ‘2016**

**Teradata Developer / ETL Informatica Power Center Developer**

**Responsibilities:**

* Created the Design for Extraction process from legacy systems using combined techniques of Data Replication and Change Data Capture.
* Completed the Gap Analysis which includes identifying the gaps between the downstream partner requests to the source system files and to fill the gaps either by rejecting the downstream partner's requests or requesting additional files from the source system.
* Extensively used Fast export to export data out of Teradata tables.
* Created BTEQ scripts to invoke various load utilities, transform the data and query against Teradata database.
* Extensively used SQL Analyzer and wrote complex SQL Queries using joins, sub queries and correlated sub queries.
* Worked extensively with Teradata utilities - Fast load, Multi load, Tpump, Teradata Parallel Transporter (TPT) to load huge amounts of data from flat files into Teradata database.
* Extensively used Fast export to export data out of Teradata tables.
* Created BTEQ scripts to invoke various load utilities, transform the data and query against Teradata database.
* Created proper PI taking into consideration of both planned access of data and even distribution of data across all the available AMPS.
* Expertise in creating databases, users, tables, triggers, macros, views, stored procedures, functions, Packages, joins and hash indexes in Teradata database.
* Hands on experience using query tools like TOAD, SQL Developer, PLSQL developer, Teradata SQL Assistant and Query man.
* Involved in performance analysis, monitoring and SQL query tuning using EXPLAIN PLAN, Collect Statistics and SQL Trace both in Teradata as well as Oracle.
* Excellent Experience with different indexes (PI, SI, JI, AJIs, PPI (MLPPI, SLPPI)) and Collect Statistics.
* Wrote Teradata Macros and used various Teradata analytic functions.
* Extensively used SQL Analyzer and wrote complex SQL Queries using joins, sub queries and correlated sub queries.
* Worked extensively with Informatica transformations to source, cleanse and parse the data, load into Teradata database.
* Extensive experience with DB2 load and Ingest external loaders.
* Created explain plans for long running queries, worked with DBA's to identify and solve the bottlenecks by adding appropriate indexes.
* Extensively used Informatica web services Consumer transformation to invoke 3rd party web services on Billing, Payments.
* Enabled Informatica workflows as web service to be invoked and used by different client systems.
* Created test Java programs to test the Informatica web services and Try-it option on Web Service Hub.
* Created highly optimized ETL processes to move the data from legacy systems, DB2 and flat files into Oracle database.

**Environment:** InformaticaPowerCenter9.1, Teradata12, Oracle11i, DB29.1, Fastload, Ingest, Multiload, Tpump, Fast export, Teradata Parallel Transporter (TPT), BTEQ, Teradata SQL Assistant, Web services, BusinessObjectsXIR2, Linux, SQL, PL/SQL, XML, SQL Loader, TOAD, Tivoli scheduler, control-M, UC4, Toad 9.5, Korn shell, Erwin.

**KMPG Group, Mumbai, India Jan'2012 - Jan ‘2014**

**Senior ETL Developer**

**Responsibilities:**

* Conducted source System Analysis and developed ETL design document to meet business requirements.
* Developed Informatica Mappings and Workflows to extract data from PeopleSoft, Oracle, CSV files to load into Teradata staging area using Fast Load/Tpump utilities.
* Developed ETLs to load data from source to 3NF, stage to 3NF and Stage area to Work, work to 3NF using Informatica Push Down optimization technique to utilize Database processing power.
* Designed and developed custom Data Quality audits to identify and report the data mismatch between source and target systems and alert Operations Team.
* Tuned Teradata Sql queries and resolved performance issues due to Data Skew and Spool space issues.
* Developed Flat files from Teradata using fast export, BTEQ to disseminate to downstream dependent systems.
* Supported System Integration and User acceptance tests to obtain sign off.
* Post go live Production Support and Knowledge Transfer to Production Support team

**Environment:** TeradataV2R6/12, Oracle9i/n10g, InformaticaPowerCenter8/8.6, LINUX, Business Objects, UNIX, TeradataV2R6/V2R5, Teradata SQL Assistant, ARCHMAIN, MLOAD, BTEQ, BOXIR3.1, Teradata Manager, MainframesDB2, Erwin Designer, UNIX, Windows2000, Control M, Clear Case, Shell scripts

**HDFC Bank- India Aug'2009 - Dec '2011**

**Informatica/Teradata/ETL Developer**

**Responsibilities:**

* Used Informatica Power Center Designer to analyze the source data to Extract & Transform from various source systems (oracle 10g, DB2, SQL server and flat files) by incorporating business rules using different objects and functions that the tool supports.
* Created Mappings using the transformations like Source Qualifier, Aggregator, Expression, Lookup, Filter, Router, Joiner, etc.
* Used Informatica Power Center to create mappings and mapplets to transform the data according to the business rules.
* Implemented slowly changing dimensions (SCD) for some of the Tables as per user requirement.
* Documented Informatica mappings in Excel spread sheet.
* Tuned the Informatica mappings for optimal load performance.
* Created and Configured Workflows and Sessions to transport the data to target warehouse Oracle tables using Informatica Workflow Manager.
* Used BTEQ, FEXP, FLOAD, MLOAD Teradata utilities to export and load data to/from Flat files.
* Migrated data with help of Teradata Fast Export, Insert/ Select, flat files from one system to another.
* Involved in test data set up and data quality testing and Unit testing and Integration Testing.
* Used BTEQ and SQL Assistant (Query man) front-end tools to issue SQL commands matching the business requirements to Teradata RDBMS.
* Performance tuning, monitoring and index selection while using PMON, Teradata Dashboard, Statistics wizard and Index wizard and Teradata Visual Explain to see the flow of SQL queries in the form of Icons to make the join plans more effective and fast.
* Provided suggestions for best join plans while visualizing SQL queries with Visual Explain and Explain while recommending best Join Indexes such as Single table or multi table join indexes.
* Supported jobs running in production for failure resolution with tracking failure reasons and provided best resolution in timely manner.
* Interacted with different teams to find failure of jobs running in production systems and provided solution, restarted the jobs and confirmed if jobs completed in the specified time window.
* Constantly interacted with business users to discuss requirements.

**Environment:** Informatica Power Center Designer 8.6/8.1, Erwin, Informatica Repository Manager, Teradata, shell scripting, SQL Assistant, Windows Vista, Autosys.