**Executive Summary:**

* 9 years of experience in data warehousing, with proficiency as Teradata developer and strong expertise in SQL queries, stored procedures, Teradata Macros.
* Expertise in creating Databases, Users, Tables, Triggers, Macros, views, stored procedures, Functions, Packages, Joins and Hash indexes in Teradata database.
* Extensively worked with Teradata utilities like BTEQ, FastExport, FastLoad, MultiLoad to export and load data to/from different source systems including flat files.
* Hands on experience using query tools like TOAD, SQL Developer, PLSQL developer, Teradata SQL Assistant.
* Proficient in performance analysis, monitoring and SQL query tuning using EXPLAINPLAN; Collect Statistics, Hints and SQL Trace both in Teradata as well as Oracle.
* Excellent experience in ETL Tools like Informatica […] and on implementing Slowly Changing Dimensions.
* Expert in ETL design/development using Informatica and Data stage
* Developed the semantic layer for reporting users like SAP BO, Micro strategy and Cognos
* Built complex de-normalized views as part of semantic layer design and development
* Tuned the complex queries and improved the performance of semantic views.
* In-depth hands on experience in database, ETL/ELT design and development and having excellent data analysis skills
* Familiar with using Set, Multiset, Derived, Volatile, Global Temporary tables in Teradata for larger Ad hoc SQL requests
* Have experience in working with both 3NF and dimensional models for data warehouse and good understanding of OLAP/OLTP systems.
* Worked in Agile Methodology SDLC.
* Performing Data validation, Data integrity, Data Quality checking before delivering data to operations, Business, Financial analyst by using Oracle, Teradata.
* Expert in onsite/off-shore coordination Involved in Unit Testing, Integration Testing and preparing Test cases.
* Familiar with Artifact like use cases and UML models to design and describe software.
* Expertise using WinDDI/Teradata administrator for managing databases, users, Tables, Indexes, statistics, managing permissions (Roles & Profiles), addressing the user issues such as resetting passwords and unlocking user ID’s etc.
* Experience in validating the business requirements and transitioning to the database schemas (physical data models) from the logical data models.
* Extensive experience on Teradata work load management concepts like TASM, worked with various user groups and developers to define TASM workloads, developed TASM exceptions, implemented filters and throttles on an as needed basis.
* Used the PDCR tool kit to generate various system and performance reports.
* Experienced with backup and archive tools including TARA GUI and ARC Main

**Technical Envirnonment :**

* **Tools:** Teradata SQL Assistant, BTEQ,OBIEE 10.0.3, TPT, FastLoad, MultiLoad, FastExport, TPump, Informatica Power Center 6.x/7.x/8.x, Ab Initi,

**Data Stage EE 7.5/8.1.**

* **Languages**: C, C++, UNIX Shell Scripting, SQL, PL/SQL, Visual Basic.
* **Applications:** MS Word, Excel, Outlook, FrontPage, PowerPoint, MS-Visio
* **Databases:** Teradata, Oracle 8i/9i/10g, DB2, MS SQL Server
* **Data Modeling:** Erwin 4.x

**WORK EXPERIENCE:**

**Client: JPMC, Houston, TX Oct ‘16 to Till Date**

**Role: Teradata Developer**

**Environment:** Teradata 13, Oracle9i, Teradata Priority Scheduler, Agile, Teradata SQL Assistant, FastLoad, MultiLoad, Teradata Administrator, BTEQ, MVS, UNIX, DB2, COBOL.

**Responsibilities:**

* Involved in writing recursive SQLs (new features in V2R6) for handset capability models.
* Implemented the partitioned primary indices to enhance the performance of the existing reports.
* Involved in managing the development system, like creating users/profiles and assigned space.
* Monitored the Teradata production system using Teradata manager for skewed queries.
* Identified the best attributes for compression and implemented the same so as to cut down the size of the large tables.
* Worked in a competitive Agile environment to develop standard ETL framework and reusable mappings and Mapplets using various transformations like Expression, Aggregator, Joiner, Router, Lookup and Filter.
* Involved in the analysis of new source data (CMS) to be fed into the data warehouse.
* Checked the data quality as well as data discovery.
* Conducted several JAD sessions with key business analysts to get the requirements related Reports, KPIs and Data Mining.
* Performed extensive Data Profiling on the source data by loading the data sample into Database using Database Load Utilities.
* Worked with Data Modelers to create a star schema model for the above subject areas and made sure that all the requirements can be generated from the models created.
* Created High level and detail design documents for above data mart projects containing process flows, mapping document, initial and delta load strategies, Surrogate key generation, Type I and Type II dimension loading, Balance and control, Exception processing, Process Dependencies and scheduling.
* Identified the required dependencies between ETL processes and triggers to schedule the Jobs to populate Data Marts on scheduled basis.
* Did the performance tuning on the Ab Initio graphs to reduce the process time.
* Designed and coordinated the backfill process to load 3 to 5 years of the data into Data Marts.
* Participated in the evaluation of Teradata DBMS to replace DB2/UDB 7 for the EDW. Created several large tables with real card portfolio data totaling 4 TB for the POC. With the help of Teradata folks at San Diego, created tables with right primary index and partitioning index on the 4 node Teradata system. Created several complex queries and ran them to get the performance measurements. Compared the results with the results from running the same queries on UDB DB2 system. Presented the results to Management.
* Worked with DBA team to ensure implementation of the databases for the physical data models intended for the above data marts. Created proper Teradata Primary Indexes (PI) taking into consideration of both planned access of data and even distribution of data across all the available AMPS. Considering both the business requirements and factors, created appropriate Teradata NUSI for smooth (fast and easy) access of data.
* Created proper Teradata Primary Indexes (PI) taking into consideration of both planned access of data and even distribution of data across all the available AMPS. Considering both the business requirements and factors, created appropriate Teradata NUSI for smooth (fast and easy) access of data.
* Extensively used the Teradata utilities like BTEQ, Fastload, Multiload, DDL Commands and DML Commands (SQL). Created various Teradata Macros in SQL Assistant for to serve the analysts
* Involved heavily in writing complex SQL queries based on the given requirements such as complex DB2 Joins, Sub Queries, Stored Procedures, and Macros etc.
* Helped Business Users by writing Complex efficient Teradata SQLs to get a detailed for Data Mining. Automated and extracted using BTEQ an Unix Shell Scripting.
* Involved in user training and support for data mining and reporting.

**Client: Fire Eye, Detroit, MI Jan 16– Sep ‘16**

**Teradata Developer, Test Analyst**

**Environment:** Teradata Utilities, UNIX shell scripting, Tivoli, Agile, Ab-Intio, MS SQL server, Oracle, DB2, SAP BW and Business Objects.

**Responsibilities:**

* Involved in Complete Software Development Lifecycle Experience (SDLC) from Business Analysis to Development, Testing, Deployment and Documentation.
* Used Teradata utilities FastLoad, MultiLoad, TPT to load data and Wrote BTEQ scripts to transform data
* Wrote, tested and implemented Teradata FastLoad, MultiLoad and BTQ scripts, DML and DDL and FastExport scripts to export data
* Constructed Korn shell driver routines (write, test and implement UNIX scripts)
* Conducted Knowledge Transfer (KT) sessions for Business Users and Production Support Team.
* Involved in creating Report Design Documentation and Universe Design Documentation for Support Team.
* Created proper Teradata Primary Indexes (PI) taking into consideration of both planned access of data and even distribution of data across all the available AMPS. Considering both the business requirements and factors, created appropriate Teradata NUSI for smooth (fast and easy) access of data.
* Used JIRA-Agile project management tool to plan, track and manage progress of the project and also track bugs, tasks and requests.
* Designed the mappings between sources (external files and databases) to Operational staging targets.
* Did the performance tuning for Teradata SQL statements using TeradataExplain command.
* Data was extracted from Teradata, Processed/Transformed using Ksh programs and loaded into Data Mart.
* Used various Teradata Index techniques to improve the query performance.
* Performance tuned and optimized various complex SQL queries.
* Wrote many UNIX scripts.
* Made sure all the applications moved into production environment meets the standards set by team and have no performance issues.
* Moved about 40 applications into production environment after performing the checks and Change Requests • Interacted with DBA's about SQL Tuning issues and implemented the changes in the script as per their recommendations
* Worked on data warehouses with sizes from 30-50 Terabytes.
* Coordinated with the business analysts and developers to discuss issues in interpreting the requirements

**AT&T Middletown, NJ April 14 – Dec 15**

**Role: Teradata Developer**

**Environment**: Informatica, Business Objects, Teradata, Autosys, Oracle, Shell Scripts, HP Unix , WindowsXP, Erwin.

**Responsibilities:**

* Involved in gathering business requirements, logical modelling, physical database design, data sourcing and data transformation, data loading, SQL and performance tuning.
* Managing work flow priorities and maintaining high visibility with our clients and providing thought leadership externally and within the organization.
* Incorporated the new physical database structures into the existing database environments.
* Optimizing high volume tables (Including collection tables) in Teradata using various join index techniques, secondary indexes, join strategies and hash distribution methods.
* Automating Faster incoming file process to load into Teradata staging using BTEQ, Fast Load and then loaded into MLoad by concatenating files on the basis of table name
* Design, create and maintain Teradata Databases, Users and regular tuning of physical database objects (Tables, Views, Macros, Triggers and Stored Procedures) to support normalized and dimensional models.
* Developing Data Extraction, Transformation and Loading jobs from flat files, Oracle, SAP, and Teradata Sources into Teradata using BTEQ, FastLoad, MultiLoad and stored procedure.
* Design of process oriented UNIX script and ETL processes for loading data into data warehouse.
* Teradata performance tuning via Explain, PPI, AJI, Indices, collect statistics or rewriting of the code.
* Designing Archival Jobs, considering archival resources like the number of Media Servers, tapes, various limiting factors of Transmit/receive of data to the media.
* Educated the team on how to utilize the Teradata visual tools like Teradata Viewpoint, Database query language (DBQL), TDQM, Visual explain etc.,
* Being a Production DBA responsible for the smooth functioning of the system. The responsibilities included Job and Load monitoring (using PMON); also produce a RCA (root cause analysis) for failed jobs.
* Responsible for Performance Tuning of BTEQs and Teradata SQL statements. This includes reading the explain plan, analyze the data distribution among AMPs, index usage, secondary indexes, partition primary indexes, collect statistics, join strategies, unnecessary product joins, no confidence, join type, data format, type casting and aliases.
* Coding using Teradata Analytical functions, BTEQ SQL of TERADATA, write UNIX scripts to validate, format and execute the SQLs on UNIX environment
* Interact with business users and source system IT teams to define, agree and document incoming data mapping specifications.
* Working with ETL leads to formulate ETL approach and appropriately uses Teradata Tools and Utilities.
* Worked on complex queries to map the data as per the requirements.
* Populate or refresh Teradata tables using Fast load, Multi load & Fast export utilities for user acceptance testing and loading history data into Teradata.
* Identify poorly performing queries in production and consult with developers to resolve. Prefer someone with working knowledge of TASM and how it impacts the BI users/applications.
* Help create and maintain operational documentation to support the solution in a production environment.
* Helping development team for any Teradata related issue.

**Bank of America, Houston, TX Oct 12 - Mar 14**

**Teradata Developer.**

**Environment:**

Teradata14, TeradataSQLAssistant, TeradataManager,BTEQ, MLOAD,FLOAD, FASTEXPORT,TPT,PMON, ARCHMAIN, Net vault, UNIX, Shell scripts, DB2

**Key Responsibilities:**

* Performed major role in understanding the business requirements and designing and loading data into data warehouse (ETL).
* Developing MLOAD scripts for loading the data from flat files to the staging tables for the new shipper item feeds.
* Developing BTEQ scripts to load the data from the staging tables to the base tables.
* Working on Teradata Manager to monitor and manage resource utilization.
* Working with utilities Like BTEQ, MLOAD, FLOAD, TPump etc…
* Collection of data source information from all the legacy systems and existing data stores.
* Added ranges to Partitioned Primary Index tables that were about to expire.
* Created Teradata objects like Databases, Users, Tables, Views and Procedures.
* Performed a pivotal role in the project, functionally and technically. As the only resource withexperience in both DataStage and Informatica ETL tools, was solely responsible for analyzing theexisting ETL systems and developing a detailed road map for integrating both the systems, inmultiple phases.
* Fixed issues with the existing FastLoad/ MultiLoad Scripts in for smooth loading of data in the warehouse more effectively.
* Developing and implementing data masking, encoding, decoding measures using the Datastage

  and Unix scripting

* Worked with project team to deliver OLAP solutions to provide robust high availability and performance.
* Increased speed and memory efficiency by implementing code migration to convert python code to C/C++ using Cython.
* Designed, developed, tested and tuned Datastage jobs and Informatica mappings. Analyzed and modified existing ETL objects in order to incorporate new changes in them according to the project requirements.
* Extensively worked on Datastage routines, custom stage and wrappers to handle complex transformations, calculations, encoding, decoding etc.
* Involved in scheduling Backups and archives and restoring data when required.
* Loading business data into data warehouse.
* Developed simple & complex mappings using Designer to load dimension and fact tables as per   STAR schema techniques.
* Used Teradata Data Mover to copy data and objects such as tables and statistics from one system to another.
* Designing, developing, testing, performance tuning and scheduling DataStage jobs
* Good knowledge of Teradata Manager, Teradata Dynamic Workload Manager (TDWM), PMON, Data Base Query Logging (DBQL), SQL assistant and Teradata Utilities.
* Worked on optimizing and tuning the Teradata SQLs to improve the performance of batch and response time of data for users.
* Tuned various queries by COLLECTING STATISTICS on columns in the WHERE and JOIN expressions.

**Aarian Intasel Corporation, Hyderabad, India Jun ’08sq – Sep ’12**

**Role: Teradata Developer**

**Environment:** Teradata , Teradata SQL Assistance , Teradata Administrator , Teradata Utilities (Mload, Fastload, FastExport, BTEQ, Teradata Manager, PMON, Teradata SQL Assistant, View point, Automic Job scheduler, Shell Scripts

**Responsibilities:**

* Involved in Full Life Cycle development for building a data warehouse.
* Worked with team members to design and develop customization for Siebel Analytics ETL Mappings in variable environment for Siebel Marketing and Call Center applications.
* Involved in gathering of business scope and technical requirements and written technical specifications.
* Extracted client information data and history from DB2 into flat files, transformed and loaded into Teradata database.
* Extensively worked with Teradata utilities like BTEQ, Fast Export, Fast Load, Multi Load to export and load data to/from different source systems including flat files.
* Worked with Teradata BTEQ to run the scripts in batch mode.
* Created Teradata security macros to create, modify and remove users and Grant/Revoke their access privileges.
* Gathered business requirements from users and groups to create Base views and secref (security Reference) views as per their roles.
* Proficient in performance analysis, monitoring and SQL query tuning using EXPLAIN PLAN, Collect Statistics and View point.
* Extensively used BTEQ, Query Man and WinDDI for database creation, moving space between databases altering spool space and user creation and management in Teradata.
* Error handling and support of existing applications for failed reloads using Teradata MLOAD, BTEQ and Fast Load.
* Load balancing of ETL processes, database performance tuning and Capacity monitoring.
* Optimization and tuning of SQL's for fixing Teradata Spool issues.
* Written UNIX Scripts for event automation and input file validations.
* Did Unit Testing and made sure the code matches with the design.
* Worked with Automic job scheduler.