**Raviraj Sheela**

**SUMMARY:**

* Around 8 years of IT experience with expertise in analysis, design, development and implementation of Data warehousing using ETL, BI and Tidal tools with Oracle, DB2, MS SQL server and Teradata databases on windows/Unix platforms.
* Expert level experience in Data Integration and Data Warehousing using ETL tool Informatica PowerCenter 7.x/8.x/9.x Knowledge of Informatica tools Power Exchange, PowerCenter, Data Analyzer and Metadata Manager.
* Expert-level mastery in designing and developing complex mappings to extract data from diverse sources including flat files, RDBMS tables, legacy system files, XML files, Applications, COBOL Sources and Teradata.
* Proficient with the concepts of Data Warehousing, Data Marts, ER Modeling, Dimensional Modeling, Fact and Dimensional Tables with data modeling tools Erwin and ER Studio.
* Technical and Functional experience in Data warehouse implementations ETL methodology using Informatica Power Center 9.0.1/8.6/8.1/7.1
* Strong experience in Data Cleansing, Data profiling and Data Analysis. Involved building data warehouse using Oracle, Teradata and Netezza Teradata, Oracle 10g/9i/8i in Finance, Retail, etc.
* Proficient in implementing Complex business rules by creating re-usable transformations, workflows/worklets and Mappings/Mapplets.
* Experience in Performance Tuning of mappings and sessions.
* Thorough knowledge of database management concepts like conceptual, logical and physical data modeling and data definition, population and manipulation. Expertise in logical and physical database design and Data Modeling using data modeling tools like Erwin.
* Experience in Data Migration projects from DB2 and Oracle to Teradata. Created Automated scripts to do the migration using Unix shell scripting, Oracle/TD SQL, TD Macros and Procedures.
* Strong expertise in Relational data base systems, i.e. Oracle, SQL Server, Teradata, MS Access, DB2 design and database development using SQL, PL/SQL, SQL PLUS, TOAD, SQL-LOADER. Highly proficient in writing, testing and implementation of triggers, stored procedures, functions, packages, Cursors using PL/SQL.
* Experience in Task Automation using Power Shell Scripts, Job scheduling (Tidal) and Communicating with Server using pmcmd.
* Strong knowledge in Database administration and Data Warehousing concepts.
* Experience in Informatica Power Center Client tools and Server Administration (Designer, Workflow Manager, Workflow Monitor, Repository Manager)
* Strong experience on different stages like Transformer, Aggregator, Merge, Join, Copy, Lookup, Lookup File set, Filter, Change Capture, Oracle Enterprise, Column Generator, Dataset stages for Data cleansing and Data Transformation.
* Experience in implementing Slowly Changing Dimensions Type 1 and Type 2 methodology
* Extensive experience in Teradata MPP platform.
* Extensive experience in implementation of Data Clean-up Procedures, Transformation, Scripts, Stored Procedures and execution of Test plans for loading the data successfully into Targets.
* Proven record in both technical and functional applications of RDBMS, Data Mapping, Data management and Data transportation.
* Experience in performance tuning of user queries by analyzing the explain plans, recreating the user driver tables by right primary Index, scheduled collection of statistics, secondary or various join indexes.
* Strong problem solving, analytical, interpersonal skills, communication skills and have the ability to work both independently and as a team.
* Self-motivated person with excellent communication and interpersonal skills.
* Excellent analytical, problem solving, and communication skills, with ability to interact with individuals at all levels.
* Strong in creating checklist for coding, Testing and release for a smooth, Better & error free project flow.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Data Warehousing/ ETL** | Informatica PowerCenter 9.6/9.1/8.6/8.1, Informatica PowerMart 9/8.x, (Workflow Manager, Workflow Monitor, Source Analyzer, Warehouse Designer, Transformation Developer, Mapplet Designer, Mapping Designer, Repository manager), Metadata, DataMart, OLAP, OLTP, Erwin, ETL Testing |
| **Dimensional Data**  **Modeling** | Dimensional Data Modeling, 3NF Data Modeling, Star Schema Modeling, Snow-Flake Modeling, Physical and Logical Data Modeling, Erwin and Sybase Power Designer. |
| **Databases & Tools** | Teradata 12/13/13.10/14, Oracle 11g/10g/9i/8i/8.x, DB2 UDB 8.5, SQL\*Server, MS SQL Server 2005/2000/7.0/6.5, SQL\*Plus, SQL\*Loader, TOAD, SQL Assistant, Erwin 7.3/8/9, ER Studio |
| **Scheduling Tools** | Informatica Workflow Manager, Autosys, CTL-M |
| **Programming Languages** | Unix Shell Scripting, SQL, PL/SQL, Perl, Teradata Procedure |
| **Environment** | UNIX, Win XP/NT 4.0, Sun Solaris 2.6/2.7, HP-UX 10.20/9.0, IBM AIX 4.2/4.3 |

**EXPERIENCE:**

**Sr. Informatica/Sr. Teradata Consultant**

**American Express**

**New York City, NY**

**Oct 2014 to Present**

Project Description: The main objective of the project was to develop an Enterprise Data Warehouse for reporting and analysis purposes. Matrix extracts data from different source systems and applies business rules, loads the data into warehouse to different Data marts and sends data to the representatives on the field.

* Worked with business analysts to identify appropriate sources for data warehouse and prepared the Business Release Documents, documented business rules, functional and technical designs, test cases, and user guides.
* Participated actively in the Design and development of the STAR schema data model.
* Implemented slowly changing and rapidly changing dimension methodologies; created aggregate fact tables for the creation of ad-hoc reports.
* Worked on Connected & Unconnected Lookups, Router, Expressions, Source Qualifier, Aggregator, Filter, Sequence Generator, etc.
* Strong knowledge base in Extract Transformation Loading (ETL) applications using IBM InfoSphere Information Server Versions 11.5, 11.3, 9.1, 8.7, 8.5, 7.5.
* Created and maintained surrogate keys on the master tables to handle SCD type 2 changes effectively.
* Mentored Informatica developers on project for development, implementation, performance tuning of mappings and code reviews.
* Good explore and experience Java Technology like OOP, Core Java, JDBC
* Hands on experience in Installing IBM Information Server suite on AIX 6.1, 7.1, UNIX, Linux and Windows platforms.
* Used SQL tools like TOAD to run SQL queries and validate the data in warehouse and mart.
* Developed Informatica mappings/mapplets, sessions, Workflows for data loads and automated data loads using UNIX shell scripts.
* Used various lookup caches like Static, Dynamic, Persistent and Non-Persistent in Lookup transformation.
* Designed and Implemented the MDM business composite services to add/update into CIS and to get the data from CIS
* Involved in implementing the Land Process of loading the customer data set into Informatica MDMHub that was coming from various source systems.
* Successfully migrated objects to the production environment while providing both technical and functional support.
* Designed XSD schemas, XSLT and WSDL documents for EAI services.
* Review of the MDMservices implemented by team and need to make sure the delivery is as per the standards.
* Extensively used IBM InfoSphere DataStage to develop various DataStage Parallel jobs
* Used Session Parameters to increase the efficiency of the sessions in the Workflow Manager.
* Performed Loading operation of historical data using full load and incremental load into Enterprise Data Warehouse.
* Created SSIS packages to Extract, Transform and load data using different transformations such as Lookup, Derived Columns, Condition Split, Aggregate, Pivot Transformation, and Slowly Changing Dimension, Merge Join and Union all.
* Worked extensively on Power Center 9.5.1 Designer client tools like Source Analyzer, Target Designer, Mapping Designer, Mapplet Designer and Transformation Developer.
* Designed & developed Informatica mappings, mapplets, worklets and workflows to create load-ready data files for loading Oracle E-Business Suite (EBS).
* Did data validations in Informatica mappings and loaded the target validation tables.
* Developed Custom Logging so user can know when a row is inserted in custom logging table by every SSIS package that executes.

Environment: Informatica Power Center 9.6, IBM InfoSphere, Informatica Data Quality 8.6.1, Oracle 11g/10g, SQL Server 2012, Windows 7,MDM 10.0,HF2, 10.1, JAVA, TOAD for oracle, TOAD for data point.

**Sr. Teradata/Sr. Informatica Developer**

**AXA Equitable**

**Newport, NJ**

**Dec 2012 to Sep 2014**

Project Description: AXA is a part of a leading global company in insurance and asset management. AXA create innovative products and offer a better quality of service. It promotes an open working environment and provides challenging and empowering jobs with strong expertise and learning opportunities.

* Involved in gathering business requirements, logical modeling, physical database design, data sourcing and data transformation, data loading, SQL and performance tuning.
* Performed analysis of complex business issues and provided recommendations for possible solutions. Writing SQL queries, reports, and used systems to do analysis based on data metrics and facts in order to provide recommendations.
* Good knowledge on IBM Information Server suite components like Quality stage, Information Analyzer, Meta Data work bench and Business Glossary etc.
* Focused on providing an environment for adhoc and standard business analytics. As a developer my work surrounds creation of scripts as BTEQ and MultiLoads.
* Worked on data cleansing and standardization using the cleanse functions in Informatica MDM.
* Provided training on current systems, processes, upgrades and new software implementations.
* Provided common framework to bridge between Non ERP applications and ERP.
* Interfaced data from source system and Data sets are segmented into universes based on data type (Revenue, Orders, Accounts Receivable, Finance, etc.)
* End users utilize Business Objects (BO) as a reporting and information delivery tool. I also took care of BO Reports changes as well as BODI Jobs creation.
* Worked with the new features of Teradata 14 like using Regular Expressions, Columnar, Auto Stats collection and temporal.
* Extensively worked on IBM InfoSphere Information Server Administration in both Data Integration and Dataware Housing projects.
* Worked with joins, sub queries, set operations extensively.
* Involved in performance tuning of BTEQ scripts at various levels in Revstream. Revstream was a project that involved changing the source from VSOE columns to Revstream columns that would help in better Revenue Management Platform.
* Prepared BTEQ import and export scripts for tables.
* Wrote BTEQ, FAST LOAD and MultiLoad scripts.
* Prepared FAST EXPORT script for tables.

Environment: Informatica Power Center 9.6/9.1, Teradata 15/14, Control-M, Oracle 11g/10g, Fixed width files, TOAD, SQL Assistant, Unix, MDM 9.7.1 HF3, Korn Shell Scripting, Autosys r11.1, SAS, COGNOS, Flat Files.

**Informatica/Teradata Developer**

**Bank of America**

**Charlotte, NC**

**Feb 2012 to Nov 2012**

Project Description: This initiative deals with Process Improvements and enhancing the system performance through Performance tuning activities of the CPU Heavy hitter queries and Space reclamations and there by reduction of Overhead on the system. It also deals with the resolution of the Help Desk Spool Space Tickets and tickets related to the User Queries tuning.

* Monitored the Production system using the View Point tool.
* Kept watch on the Heavy Hitter queries in production and work on performance tuning of them and thereby reducing the overheard on the Teradata Production Box.
* Reclaimed space more than over allocated and occupied due to skewness.
* Developed mappings, sessions and workflows in Informatica Power Center.
* Identified performance issues in existing sources, targets and mappings by analyzing the data flow, evaluating transformations and tuned accordingly for better performance.
* Developed standard and reusable mappings and mapplets using various transformations like Expression, Aggregator, Joiner, Router, Lookup (Connected and Unconnected) and Filter.
* Performed tuning of SQL queries and Stored Procedure for speedy extraction of data to resolve and troubleshoot issues in OLTP environment.
* Troubleshot long running sessions and fixing the issues related to it.
* Participated in the development of PL/SQL stored procedures, functions and packages to process business data in OLTP system.
* Used BTEQ, FEXP, FLOAD, MLOAD Teradata utilities to export or load data from/to Teradata.
* Worked with the testing team to resolve bugs related to ETL mappings before production.
* Created the weekly project status reports, tracking the progress of tasks according to schedule and reporting any risks and contingency plan to management and business users.
* Participated in meetings with production team for issues related to Deployment, maintenance, future enhancements, backup and crisis management of DW.
* Worked with production team to resolve data issues in Production database of OLAP and OLTP systems.
* Designed and implemented stored procedures and triggers for automating tasks in SQL.
* Tuned high CPU consumed Queries to decrease the SUM CPU and IMPACT CPU.
* Analyzed the Collect Stats in the Production jobs and remediation.
* Analyzed the long running, highly Skewed and non-complaint Queries and tuning on the same.
* Deployed changed components into production using change man tool

Environment: Informatica 9.1(Designer, Repository Manager, Workflow Manager, Workflow Monitor), Informatica 8x, Oracle 10G, Teradata, UNIX, Citrix, Toad, Putty, PL/SQL Developer

**Informatica Developer**

**CINGULAR WIRELESS**

**Alpharetta, GA**

**Oct 2010 to Jan 2012**

Project Description: Cingular Wireless is one of the major Retail wireless companies in U.S.A and second largest in providing Wireless phones in U.S. market. The company has huge volumes of data coming from different sources, which was generated from multiple and cross platform applications. The Project involved design and development of Enterprise Warehouse.

* Participated in all phases of SDLC from requirement, design, development, testing and support for production environment.
* Used extensively Informatica Client tools like Informatica Repository Manager, Informatica Designer, Informatica Workflow Manager and Informatica Workflow Monitor.
* Used Teradata utilities FastLoad, MultiLoad, tpump to load data.
* Created Sources, Targets in shared folder and developed re-usable transformations, mapplets and user defined function (UDF) to re-use these objects in mappings to save the development time.
* Developed mappings using Mapping Designer and worked with Aggregator, Lookup (connected and unconnected), Filter, Router, Joiner, Source Qualifier, Expression, Stored Procedure, Sorter and Sequence Generator transformations.
* Created mappings which involved Slowly Changing Dimensions Type 1 and Type 2 to implement business logic and capturing the deleted records in the source systems.
* Involved in migration projects to migrate data from data warehouses on Oracle/DB2 and migrated those to Teradata.
* Worked with high volume datasets from various sources like Oracle, Text Files and Teradata Tables and XML targets.
* Used debugger extensively to identify the bottlenecks in the mappings.
* Modified PL/SQL stored procedures for Informatica mappings.
* Created Sessions and Workflows to load data from the SQL server, flat file and Oracle sources that exist on servers located at various locations all over the country.
* Configured the session properties i.e. high value for commit intervals to increase the performance.
* Documented testing methodology and devised test scripts and plans to help the QA team in the functional aspect of the package and apply the same before submission to the client Involved in unit testing,
* Integration testing and User acceptance testing of the mappings.
* Involved in Migrating the Informatica objects using Unix SVN from Dev to QA Repository.
* Worked on developing workflows and sessions and monitoring them to ensure data is properly loaded on to the target tables.
* Responsible for scheduling workflows, error checking, production support, maintenance and testing of ETL procedures using Informatica session logs.
* Performance tuning on sources, targets mappings and SQL (Optimization) tuning.

**ETL integration Engineer**

**ICICI Bank,**

**Hyderabad, India**

**Jan 2008 to Aug 2010**

Project Description: ICICI is one of the leading banks in India. The project caters bringing the different product systems of the bank. It caters for different levels of aggregation and summarization of the products of the bank. Systems include the following products and related information: Customer Information, General Ledger, Current Accounts, Credit Card, Loans, Trade Finance, Treasury, Collaterals, Facilities, NPL and MFA/MRA

* Translated business requirements into data warehouse design.
* Involved in understanding logical and physical enterprise data warehouse schemas.
* Used Star Schema approach for designing of Data Warehouse.
* Integrated different systems using Informatica server configuration. Extracted data from Flat files, Oracle, SQL Server, MS-Access and Loaded data into Oracle using Informatica.
* Created Source definitions, Target definitions, Mappings, Transformations, Reusable Transformations, Mapplets using Informatica Designer tool which includes Source Analyzer, Warehouse Designer, Transformation Developer, Mapping Designer and Mapplet Designer.
* Created sessions, database connections and batches, Scheduled and monitored transformation processes using Informatica Server Manager.
* Used Informatica repository manager to backup and migrate metadata in development, test and production systems.

Environment: Informatica Power Center 6.2/7.1, COGNOS Impromptu 6.0, Impromptu web reports (IWR 6.0), UNIX, PL/SQL, Oracle 8.0/8i and Win NT.

**EDUCATION:**

* Bachelor of Engineering in Computer Science-JNTU-India