**Sumanth R Nukala**

EXPERIENCE SUMMARY – Sr.ETL Informatica Developer / Analyst

* IT professional with 8 years of experience in Data Warehousing using Informatica Power Center 9.x/8.x/7.x.
* Strong working experience with various clients which includes Finance, Pharma, Telecom, Retail and Banking related industries.
* Excellent analytical skills in understanding the client systems and organizational structure.
* Heavily involved in complete life cycle of enterprise data warehouse.
* Extensively worked on Monitoring system capacities, system growth, and using Teradata SQL implanted data compression techniques to improve application performance.
* Involved in Understanding and translating the business requirements and to High Level and Low level design for ETL processes in Teradata
* About 2 years experience working with BIGDATA.
* Over 4 years of experience in the configuration of MDM Hub which includes Data modeling, Data mappings, Data validation, Match and Merge rules, Tokenization, Hierarchy Manager, customizing/configuring informatica  Data Director.
* Transformed data from one server to other servers using tools like Bulk Copy Program (BCP), Data Transformation Services (DTS) and SQL Server Integration Services (SSIS)
* Experienced in OLTP/OLAP system study, analysis & reviewing of ER modeling, Database schemas like Star schema and Snowflake schema used in relational and multidimensional modeling by using MS Visio.
* Proven experience in Informatica MDM  processes like batch and real time processing, configuration of JMS message queue and message triggers with SIF API.
* Strong Knowledge in Relational Database Concepts, Entity Relation Diagrams, Normalization and De-normalization Concepts.
* Ability to write complex SQL needed for ETL jobs and analyzing data, proficient with databases like Oracle 12i/11g/10g/9i, SQL Server 2012/2008/2005,Teradata,My Sql, DB2, Flat Files, Sybase, COBOL files and XML files.
* Developed complex mappings by using various transformations like Unconnected/ Connected lookups, Router, Filter, Expression, Sorter, Aggregator, Joiner, Union, Update Strategy and rarely used transformations like Java, Stored procedure, etc.
* Provided high level optimization ideas to other ETL team members to improve code performance.
* Experience in Performance Tuning of sources, targets, mappings, transformations and sessions, by implementing various techniques like partitioning techniques, pushdown optimization and also identifying performance bottlenecks.
* Experience in doing Database level Query Performance Tuning.
* Experience in working with Teradata utilities – BTEQ, M-Load, F-Load, TPT & Fast Export.
* Good exposure to Development, Testing, Debugging, Implementation, Documentation, End-user training and Production support.
* Expertise in Unit Testing, Integration Testing, System Testing and Data Validation for developed Informatica Mappings.
* Research oriented, raise issues upfront and address them as soon as they have been identified.
* Experienced in doing Error Handling and Troubleshooting using various log files.
* Experienced in using Batch, Perl and UNIX shell scripts.
* Experience in using different scheduling tools – Control M, Autosys, Maestro & Informatica Scheduler.
* Experience in Implementing DWH Projects using both Water fall & Agile methodologies.
* Experience in using Agile tools like – Rally & Jira.
* An excellent team member with an ability to perform individually, good interpersonal relations, strong communication skills, hardworking and high level of motivation. A quick learner with an aptitude for taking responsibilities.

**TECHNICAL SKILLS**

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| **ETL Tools** | Informatica Power Center 9.6.1/9.5/9.1/8.6.1/8.5/8.1/7.x |
| **Data Bases** | Oracle 12i/11g/10g/9i, MS SQL Server 2008 and DB2 |
| **Languages** | SQL, PL/SQL, XML, UNIX Shell Scripting |
| **Data Model** | Erwin and MS-Visio, ER Model, Dimensional Modelling |
| **Scheduling Tools** | Control-M, Autosys, Maestro, Informatica Scheduler |
| **Database Connecting Tools** | Toad, SQL Developer, Sql Assistant and Putty, Win SCP |
| **Operating Systems** | Windows and Unix / Linux |

**professional experience**

**State Street Corporation, Quincy, MA July 2014 – Current**

**Sr. Informatica ETL Consultant / Analyst**

**DESCRIPTION:**

State Street Corporation is an American worldwide **financial services holding company**. It offers working capital financing, bill discounting, telecom vendor financing, corporate aircraft financing, and auto loans, consumer finance, and credit cards. This project is creating **Enterprise Data Warehouse (EDW) in DB2 BLU**.

**RESPONSIBILITIES:**

* Involved in the Analysis of Physical Data Model for ETL mapping development and the process flow diagrams.
* Created and maintained metadata and ETL documentation that supported business rules and detailed source to target data mappings.
* Designed data extraction, transformation, clean and load using Informatica 9.6.1/9.5.1 for the enterprise Data Warehouse environment.
* Used Informatica transformations such as the Source Qualifier, Aggregators, and Connected & Unconnected lookups, Filters, Sequence Generator and Stored Proc. etc.
* Created and maintained metadata and ETL documentation that supported business rules and detailed source to target data mappings.
* Created sessions (Sequential, Parallel) to run the mappings.
* Created mapplets and reusable transformations to use across different mappings.
* Created Stored Procedures in PL/SQL for various needs at source level.
* Maintained Informatica Standards & Procedures.
* Created complex mappings to maintain history using SCD 1 & SCD 2.
* Handled incremental data using CDC concept.
* Implemented various performance tuning techniques at Informatica level to increase the throughput by finding out the bottlenecks.
* Involved in Regression testing for Informatica upgrade from 9.5.1 to 9.6.1
* Involved in doing Database tuning for the queries written at override level in Informatica.
* Worked on optimizing and tuning the Teradata SQLs to improve the performance of batch.
* Involved in doing Unit Testing & Creating Unit Test Cases.
* Created Migration templates for getting done the code migration with ETL Admin across different repositories.
* Involved in creating technical design documentations for the dev work done.
* Good experience in managing the task using Jira & attending scrum meetings.

**ENVIRONMENT:**

ETL/Informatica PowerCenter 9.6.1/9.5.1,Teradata14/12,Oracle12i, DB2 BLU, SQL, PL/SQL, XML, Flat files, UNIX, Toad, SQL Developer, Maestro, DB2, Perl, Putty, Winscp, Windows.

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**SC Johnson, Racine, Wisconsin Feb 2013 – Jun 2014**

**Sr. ETL Informatica Developer**

**DESCRIPTION:**

SC Johnson is one of the world’s leading makers of household brands. This project is Creating **EDW in Teradata** for SC Johnson Global reports from various sources.

**RESPONSIBILITIES:**

* Developed internal and external Interfaces to send the data in regular intervals to Data warehouse systems.
* Extensively used Power Center to design multiple mappings with embedded business logic.
* Involved in discussion of user and business requirements with business team.
* Performed data migration in different sites on regular basis.
* Involved in upgrade of Informatica from 9.1 to 9.5.
* Created complex mappings using Unconnected Lookup, Sorter, and Aggregator and Router transformations for populating target tables in efficient manner.
* Produced detailed MDM design specifications consistent with the high-level MDM design specifications.
* Coordinated with ETL team for performing batch process to populate data from external source systems to landing tables in the MDM hub.
* Attended the meetings with business integrators to discuss in-depth analysis of design level issues.
* Involved in data design and modeling by specifying the physical infrastructure, system study, design, and development.
* Configured match rule set property by enabling search by rules in MDM according to Business Rules.
* Performed match/merge and ran match rules to check the effectiveness of MDM on data.
* Created Solar Collections and have written various optimizations.
* Configured Hbase and Solr using Lilly Indexer using morphlines.
* Extensively involved in performance tuning of the Informatica ETL mappings by using the caches and overriding the SQL queries and also by using Parameter files.
* Developed complex SQL queries to develop the Interfaces to extract the data in regular intervals to meet the business requirements and extensively used Teradata Utilities like M – load, F- Load, TPT, BTEQ and Fast Export.
* Analyzed session log files in session failures to resolve errors in mapping or session configuration.
* Written various UNIX shell Scripts for scheduling various data cleansing scripts, loading process and automating the execution of maps.
* Created transformations like Expression, Lookup, Joiner, Rank, Update Strategy and Source Qualifier Transformation using the Informatica designer.
* Created mapplet and used them in different mappings.
* Worked on Flat Files and XML, My Sql, Oracle as sources.
* Written PL/SQL Procedures and functions and involved in change data capture (CDC) ETL process.
* Implemented Slowly Changing Dimension Type II for different Dimensions.
* Involved in Informatica, Teradata and oracle upgrade process and testing the environment while up gradation.
* Worked with Informatica version Control excessively.
* Experience in using SVN as version control for migration.
* Written Unit test scripts to test the developed interfaces.
* Managed enhancements and coordinated with every release with in Informatica objects.
* Provided support for the production department in handling the data warehouse.
* Worked under Agile methodology and used Rally tool one to track the tasks.
* Written thorough design docs, unit test documentation, Installation and configuration guide documents.
* Performed bulk data imports and created stored procedures, functions, views and queries.

**ENVIRONMENT:**

Informatica Power Center 9.6.1/9.5.1, Teradata 14/12, Oracle 10g, My Sql, XML, Flat Files, Sql Assistant, Toad, PL/SQL, Unix shell scripting, Cognos, SVN, Windows 7.

**CVS Pharmacy, Woonsocket, RI**  **Dec 2011 – Jan 2013**

**ETL/ Informatica Developer**

**DESCRIPTION:**

The project relates to the Data Warehouse that can be broadly classified into Pharmacy and Retail. PharmacyData Warehouse consists of DW CAP (Data Warehouse Compliance Adherence Persistency) system and Pharmacy Batch. Successfully developed and maintained number of ETL maps to Extract, Transform and Load data from various sources like Flat files and Relational data into the **Enterprise Data warehouse called Pharmacy Data Warehouse Management system**. This includes creating and running scripts, loading data into Dimension tables and Fact tables.

**RESPONSIBILITIES:**

* Worked with Business Analyst to gather business requirements and involved in weekly team meetings.
* Worked on different data sources such as Oracle, XML, DB2,Sybase and Flat files.
* Involved in Creating the Dimensions, Facts, Mappings &Transformations, Validating the Mappings, Generating & Loading the Data.
* Worked extensively on different types of transformations like Source qualifier, Expression, Filter, Aggregator, Rank, Lookup, XML, Stored procedure, Sequence generator and Joiner.
* Implemented complex mappings such as Slowly Changing Dimensions (Type II) using Flag.
* Developed stored procedures and complex packages extensively using PL/SQL.
* Created shell scripts for utilizing UNIX utilities in users applications, file conversions & migrations
* Involved in Optimizing and Performance tuning logic on targets, sources, mappings, and sessions to increase the efficiency of session.
* Scheduled Workflows using Control –M application.
* Used SQL Override and reduced the number of transformations used in the mappings and improved the performance of the sessions.
* Involved in Unit Testing of code which I developed and supported System Integration Testing and UAT Testing.

**ENVIRONMENT:**

Informatica Power Center 9.1, Oracle 11g, Sybase, DB2, Teradata, Control-M, UNIX Shell Scripting, Windows, Red hat Linux.

**T Mobile, Dallas, TX Dec 2010 – Oct 2011**

**Sr. Informatica Developer**

**DESCRIPTION:**

T-Mobile is one of the nation's largest independent telecommunications providers offering local, long distance, and Internet access services and supporting more than 2 million access lines.

**RESPONSIBILITIES:**

* Involved with Business Analyst while gathering Business requirements and translate into technical requirements.
* Involved in Modelling review sessions.
* Developed Mapping by using various transformations to suit the business user requirements and business rules to load and eliminate unrequired data from, Oracle and other data sources into Sybase target.
* Expertise in debugging and production support.
* Created Workflows and used various tasks like Email, Event-wait and Event-raise, Timer, Control, Command, Decision, Session in the workflow manager.
* Made use of Post-Session success and Post-Session failure commands in the Session task to execute scripts needed for cleanup and update purposes extensively worked with Source Analyzer, Warehouse Designer, Transformation Designer, Mapping Designer and Mapplet Designer.
* Used transformations like Joiner, Expression, Connected, Unconnected lookups, Filter, Aggregator, Stored Procedure, Rank, Update Strategy, Router, Sorter, Sequence generator etc.
* Involved in Debugging & error handling.
* Involved in data quality profiling, standardization and testing.
* Monitored daily loads and provided on call production support (L2) during data Loads.
* Involved in preparing Migration documents for migrating repository objects, and scripts from development environment to QA/production environment.
* Extensive experience in troubleshooting and solving migration issues and production issues.
* Troubleshooting in multi-dimensional universe and reports in SAP Business Objects Environment.
* Creating Change Control Requests as required by assigned projects and ensuring end to end extensive support as Data Analyst and address overall data quality.

**ENVIRONMENT:**

ETL/Informatica Power Center 8.6.1/9.1.1, Oracle11g, Sybase, PL/SQL, XML, Flat files, UNIX, Toad, XML files, Perl, Shell Scripting, HPQC, Red hat Linux

**Bank of America, India July 2008 – Oct 2010**

**ETL Informatica Developer**

**DESCRIPTION:**

The bank offers a full state of retail and commercial banking services from checking, savings and loans for retail customers, to private banking client services and treasury, corporate and trade finance for the wholesale customers.

In This project involved in enhancements & supporting existing BOA Enterprise Data Warehouse.

**RESPONSIBILITIES:**

* Worked with ETL Architects to understand the requirements for enhancements & Improvements.
* Extensively worked with Informatica Power Center and options available in to improve the performance of existing Informatica objects.
* Creating mappings, session, workflows, worklets for transforming the data.
* Creating Mapplet for re using the logic.
* Created Database Triggers, Stored Procedure, Functions and Packages
* Optimized queries using rule based & cost based approach.
* Used Teradata Loaders for data loading.
* Various Performance and Tuning techniques used to improve the load.
* Involved in Testing the Informatica mappings and creating Unit Test Plans.
* Involved in solving the Trouble tickets raised by business.
* Involved in supporting data warehouse environments making sure all loads are going fine as per BAU.

**ENVIRONMENT:**

Informatica Power Center 7.1.1/8.1.1, Oracle, Flat Files, XML, My Sql, Teradata 12, Unix, Putty, Windows XP, AOTS.

**EDUCATION:**

Bachelor of Technology from Jawaharlal Nehru Technological University ( JNTU), Hyderabad, India