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# SUMMARY:

* Over 8 years of data warehousing experience in building and managing various data warehouses/data marts using Informatica products: Power Center 9.1/8.6/8.0/7.1, Power Exchange.
* Have worked extensively on analyzing project requirements and develop detailed specifications for the technical build.
* Experienced with ETL tool, Informatica, in designing and developing complex mappings, mapplets, transformations, workflows, worklets, and scheduled sessions.
* Implemented complex mappings from varied transformation logic: unconnected & connected lookups, normalize transformation using various COBOL sources, source qualifier, router, filter, XML transformation expression, aggregator, joiner, and update strategy.
* Utilized workflow manager, workflow monitor and scheduled ETL jobs in Informatica.
* Experience in Extraction, Transformation and Loading of data from different heterogeneous source systems like Flat files (Fixed width & Delimited), XML Files, COBOL files, Excel, Oracle, Sybase, MS SQL Server and Teradata.
* Performance tuned targets, sources, mappings and sessions, co-coordinated with DBA’s and UNIX administrator for ETL tuning.
* Created documentation: source-target mapping (STM) , functional and technical design documents.
* Migrated code from Sagent to informatica 9.x and tested all objects developed and checked their end to end consistency in new environment.
* Used stored procedures, functions, triggers, joins, views and packages in PL/SQL & Oracle 10g/9i/8i: Written SQL queries, stored procedures, and cursors: Migrated PLSQL code to Informatica mappings.
* Developed interface for data transfer/data loading using PL/SQL programs, SQL\*Loader & Informatica.
* Interfaced TOAD to analyze, view and alter tables in various databases.
* Prepared star & snowflake data models and involved in designing EDW (enterprise data warehouses).
* Configured Informatica Data Quality (IDQ), defined rules, built scorecards, applied metrics and grouped into various dimensions in IDQ.
* Implemented data cleansing, tuning, profiling and reports, dashboards to display DQ results using IDQ.
* Developed data cleanup procedures, transformations, scripts, stored procedures and executed test plans for loading data successfully into targets.
* Knowledge of *Jasper soft* reporting tool and integration to IDQ tool.
* Involved in unit, integration & system testing and code migration between various environments.
* Good communication skills, interpersonal skills, and proven team coordinating skills.
* Exceptional problem solving and decision making capabilities, recognized by associates for quality of data, alternative solutions, and confident, accurate, decision making.

**TECHNICAL SKILLS:**

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| **Hardware/OS** | Windows XP/2000/2003 ,Sun Solaris, AIX, UNIX  LINUX,Tomcat Apache, IIS Server |
| **ETL Tools:** | * Informatica Power Center (9X,8X,7X,6X) * Informatica Power Exchange * Informatica Data Quality |
| **Tools** | * Toad 7.4, Erwin Data Modeller, Oracle Designer Professional * SQL \*Plus, PL/SQL Developer, SQL Developer, Test Directory * Autosys, Control-M, Version One, HP Quality Center |
| **Languages** | SQL, PL/SQL, Shell Scripting |
| **Data Bases:** | Oracle 9i/10g/11g ,DB2, Sybase, SQL Server 2005& 2008 |
| **Reporting Tools:** | Crystal Reports, Cognos Report , SSRS, Business Objects |
| **Methods** | dimensional modeling , business intelligence reporting , agile methodology |

**PROFESSIONAL EXPERIENCE**

**United Health group (Optum Health) Sr Informatica/IDQ Consultant Jun’13 – Till Date**

**Description:** The project is to build an Application data warehouse by taking heterogeneous sources like flat files, Mainframes, oracle and transforming the data according to the specifications and loading in to the financial data warehouse which will be very useful to Business Intelligence people to query the data from data warehouse for reports and analysis of the business in future.

**Responsibilities:**

* Design, Development and Documentation of the ETL (Extract, Transformation & Load) strategy to populate the Data Warehouse from the various source systems.
* Worked with Informatica Data Quality 8.6.1 (IDQ) toolkit, Analysis, data cleansing, data matching, data conversion, exception handling, and reporting and monitoring capabilities of IDQ 8.6.1.
* Worked on Informatica power centre 9.1 client tools like Source Analyzer, Warehouse Designer, Mapping Designer, Workflow Manager and Workflow Monitor.
* Identified and eliminated duplicates in datasets thorough IDQ 8.6.1 components of Edit Distance, Jaro Distance and Mixed Field matcher, It enables the creation of a single view of customers, help control costs associated with mailing lists by preventing multiple pieces of mail.
* Involved in design and development of complex ETL mappings.
* Implemented partitioning and bulk loads for loading large volume of data.
* Based on the requirements, used various transformations like Source Qualifier, Normalizer, Expression, Filter, Router, Update strategy, Sorter, Lookup, Aggregator, Joiner and Sequence Generator in the mapping.
* Developed Mapplets, Worklets and Reusable Transformations for reusability.
* Identified performance bottlenecks and Involved in performance tuning of sources, targets, mappings, transformations and sessions to optimize session performance.
* Identified bugs in existing mappings/workflows by analyzing the data flow and evaluating transformations.
* Informatica Data Quality (IDQ 8.6.1) is the tool used here for data quality measurement.
* Performance tuning by session partitions, dynamic cache memory, and index cache.
* Developed Informatica SCD type-I, Type-II mappings. Extensively used almost all of the transformations of Informatica including complex lookups, Stored Procedures, Update Strategy, mapplets and others.
* Implemented update strategies, incremental loads, Data capture and Incremental Aggregation.
* Extensively worked on various Look up Caches like Static, Dynamic, Persistent, and Shared Caches.
* Developed workflow tasks like Email, Event wait, Event Raise, Timer, Command and Decision.
* Created Stored Procedures in PL/SQL.
* Used PMCMD command to start, stop and ping server from UNIX and created UNIX SHELL PERL scripts to automate the process.
* Created UNIX Shell scripts and called as pre session and post session commands.
* Developed Documentation for all the routines (Mappings, Sessions and Workflows).
* Involved in scheduling the workflows using UNIX scripts.

**Environment:** Informatica Power Center 9.1, Oracle 11g, Flat Files, PL/SQL, ERWIN 7.3 Data Modeling tool, Windows 2000, UNIX scripting.

**MVP Health Care, Rochester, NY Informatica/IDQ Consultant Jan’11 – Jun’13**

**Description:** The project is to build the Data Marts based on subject areas which is used for report generation to analyze and to take decisions about the their products, eligibility, providers, billing, accounting and claims .This project involved extracting data from Heterogeneous Data sources like Sybase and Flat Files, transforming the data and then loading the data into the target Data Mart for Warehouse operations.

**Responsibilities:**

* Involved in requirement analysis, ETL design and development for extracting data from source systems: Oracle, flat files, XML files and data mart loading.
* Worked with analysts and data source systems experts to map requirements to ETL code.
* Developed mapping logic using transformations: Expression, Lookups (Connected, Unconnected), Joiner, Filter, Sorter, Router, Update strategy & Sequence generator.
* Designed, developed, implemented and maintained Informatica PowerCenter and IDQ application for matching and merging process.
* Used different transformations: Address validation router, Filter, Lookup, Joiner, Aggregator, Normalizer, Rank, Update strategy in IDQ; exported to Power Center as a Mapplets and used in the mapping.
* Used IDQ for data cleansing, tuning & profiling; implemented reports, dashboards to display DQ results.
* Utilized ofInformatica IDQ to complete initial dataprofiling and matching/removing duplicate data.
* Informatica Data Quality helps make data quality improvement and standardizing on a single platform that provides a centralized set of reusable rules and tools for managing data quality across any project
* Migrated code from Sagent to Informatica power centre 8.6 and tested of all objects developed and check their consistency end to end on the new environment.
* Translated functional specifications into technical specifications (design of mapping documents).
* Implemented Type-1 SCD and Type-2 SCD mappings to update slowly changing dimension tables.
* Created mapping using multiple source systems: Oracle, flat files, and XML files into data mart in Oracle database.
* Informatica Data Explorer (IDE) and Informatica Data Quality (IDQ 8.6.1) are the tools are used here. IDE is used for data profiling over metadata and IDQ 8.6.1 for data quality measurement.
* Used load scripts to load tables in SQL 2008.
* Responsible for design and implementation for loading ODS and updating warehouse.
* Created utility scripts to manage and scrub incoming source files, to move files between directories, report and trend file metadata and frequency.
* Wrote execution report scripts to broadcast e-mails to respective people on failure/success, error handling, and control /audit critical processes.
* Error handled session & workflow logs in dev & test environments.
* Performance tuned existing & new mappings.
* Written SQL scripts to avoid Informatica joiners and look-ups to improve performance of data volume.
* Used Control-M to schedule jobs for maintaining database objects & Unix scripts
* Created deployment groups to deploy objects to migrate code to higher environments.
* Coordinated with DBA’s in resolving the database issues that lead to production job failures.
* Migrated code/objects from the development environment to the QA/testing environment to facilitate the testing of all objects developed and check their consistency end to end on the new environment.
* Involved in Unit testing, integration testing, system testing and UAT.

**Environment:** Informatica Power Center 8.6, Oracle 10g, SQL server 2008, PL/SQL Procedures, TOAD, Perl scripts, Rational Clear case, Control-M, MS Visio, ALM, Mainframes, UNIX, PUTTY

**Capital One, McLean, VA Informatica Developer Nov’09 – Dec’10**

**Description:** Lineage of all data sources resulting in Basel II calculations are measured for data quality. IDQ, MDH, Jaspersoft are utilized to materialize DQ framework. Work involved hardware & software implementation, and enhancements to the data governance process while aiding results for developing reference data & master data at enterprise level and utilize results for valid values metadata conformation. IDQ control points are defined at source systems, data distribution environment (DDE) and target (BDW) systems where all the business data quality rules are executed.

**Responsibilities:**

* Worked with technical/business analysts for DQ requirements, business analysis & project coordination.
* Assist business analyst/project manager/data steward in defining or modifying Data Quality Rules based on business rules/process.
* Worked with data quality architect and administrator to establish data quality methodology, documenting a repeatable set of processes for determining, investigating, and resolving data quality issues, and established an on-going process for maintaining quality of data.
* Profiled source data using IDQ tool, understand source system data representation, formats & data gaps Created Exception handling process and worked on the best practices and standards for exception handling routines.
* Used Informatica data director for viewing the error tables and all the data manipulations (accept, reject records based on the requirements).
* Built scorecards and applied metrics and group dimensions.
* Developed reusable mapplets and coordinated with data quality development tool.
* Performed unit, integration, regression and load testing at the database and application level with the tool.
* Contributed and maintained a library of reusable test plans for future projects/enhancements.
* Worked in IDQ complex transformations, used address validator, keygen, match, parser, merge transformations and exception transformations.
* Used IDQ for data cleansing, tuning and profiling; implemented reports, dashboards to display DQ results.
* Informatica data quality is explored to result clean and quality data, standardize on a single platform that provides a centralized set of reusable rules and tools for managing data quality across any project
* Created scripts for better handling of incoming source files such as moving files from one directory to another directory and extracting information from file names, such as date, for continuously incoming sources.
* Involved in Unit testing, integration testing, system testing and UAT.

**Environment:** Informatica power centre 8.1,Oracle 10G,SQL Server Management studio2008, SQL Plus, Windows XP and AIX UNIX, Agile Methodology, Version One, HP Quality Center, Flat Files, PL/SQL and Unix Scripting.

**First Niagara Financial Group, Buffalo, NY Informatica Developer Apr’07 – Nov’09**

**Description:** First Niagara is a multi-state community-oriented bank, providing financial services to individuals, families and businesses across Upstate New York, Pennsylvania, Connecticut and Massachusetts. The Architecture involved moving data from Legacy systems to relational tables in the staging area, moving staging data to the Data marts and finally moving data to the Multi-Dimensional Data warehouse. The project is First Niagara Bank conversion of Upstate New York and Connecticut branches from HSBC Bank.

**Responsibilities:**

* Involved in Requirement Analysis, ETL Design and Development for extracting from the source systems and loading it into the Data mart.
* Involving in all phases of SDLC from requirement, design, development, testing, training and rollout to the field user and support for production environment.
* Interacted with the source system to gather the requirements.
* Gathered requirement and prepared mapping documents and the data flow documents.
* Extensively used ETL to load data from multiple sources to Staging area (SQL Server 2008) using Informatica Power Center 7.1 Worked with pre and post sessions, and extracted data from Transaction System into Staging Area. Knowledge of Identifying Fact and Dimension tables.
* Worked with power Center tools like Designer, Workflow Manager, Workflow Monitor, and Repository Manager.
* Created Complex Type 1 SCD and Type 2 SCD mappings to update slowly Changing Dimension Tables.
* Experience analysing user requirements and translating them into system data structure designs.
* Extensively used Informatica Transformation like Source Qualifier, Rank, Router, Filter, Lookup, Joiner, Aggregator, Normalizer, Sorter etc. and all transformation properties.
* Solid Expertise in using both connected and unconnected Lookup Transformations.
* Extensively worked with various Lookup caches like Static cache, Dynamic cache and Persistent cache.
* Involved in writing T-SQL Procedures Using SQL Server.
* Involved in the developing & debugging of Sybase and SQL server procedures.
* Extensively worked with Joiner functions like normal join, full outer join, master outer join and detail outer join in the Joiner transformation.
* Developed reusable transformations and reusable maplets.
* Worked with session parameters, mapping parameters, mapping variables and mapping parameters for incremental loading.
* Created reusable transformations and mapplets and used them in mappings.
* Extensively used transformations such as Source Qualifier, Aggregator, Expression, Lookup, Router, Filter, Update Strategy, Joiner, Transaction Control and Stored Procedure.
* Tuned sources, targets, mappings and sessions to improve the performance of data load.
* Involved in Performance tuning for sources, targets, mappings, and sessions.
* Performed unit testing on the Informatica code by running it in the Debugger and writing simple test scripts in the database thereby tuning it by identifying and eliminating the bottlenecks for optimum performance.
* Involved in Production Support.

**Environment:** Informatica Power Center 7.1, Informatica Power Exchange 7.1, Mainframes, SQL Server 2005, UNIX, PUTTY and MS Visio.

**Education Qualifications:**

* Bachelors of Engineering in Computer Science, JNTU University, INDIA