**Vineesh nadaphil**

**SR. ETL/INFORMATICA Developer**

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**Professional Summary**

* **8+ years** of IT Experience in **Data Warehousing**, **Database Design** and **ETL Processes** in the Development, Test and Production environments of various business domains.
* Highly proficient in **Development, Implementation, Administration** and **Support** of ETL processes for Large-scale Data warehouses using Informatica Power Center.
* Worked extensively on ETL process using **Informatica Power Center 9.x/8.x/7.x.**
* SQL database experience in a high transaction and multi-server production environment.
* Expert Knowledge of **Integration Services (SSIS), Analysis Services (SSAS)** and **Reporting Services (SSRS).**
* Experience in **Database Development, Data Warehousing, Design** and **Technical Management**.
* Good understanding in database and data warehousing concepts (OLTP & OLAP).
* Hands on Experience in **Installing, Configuring, Managing, Monitoring** and **Troubleshooting** SQL Server 2005/2008.
* Hands on experience in **tuning mappings, identifying** and **resolving performance bottlenecks** in various levels like sources, targets, mappings, and sessions and at database.
* Extensive experience with data modeling techniques, logical and physical database design.
* SQL Server 2008/2005 RDBMS database development including **T-SQL programming**.
* Extracted data from **File Sources, Relational Sources, XML** and **COBOL** sources using Informatica PowerCenter.
* Expertise in creating **databases, users, tables, triggers**, **macros**, views, stored procedures, functions, Packages, joins and hash indexes in Teradata database.
* Experience in administrating the created reports and assigning permission to the valid users for executing the reports.
* Worked extensively on ETL process using **Talend** and **SSIS.**
* Worked on OLAP Data warehouse , Model ,Design and Implementation
* Experience in **upgrading** from Informatica Powercenter 8.6 to Informatica Powercenter 9.1.
* Experience in Creating and Updating Clustered and Non-Clustered Indexes to keep up the SQL Server performance.
* Used Power Exchange to integrate the sources like Mainframe MVS, VSAM, GDG, DB2 and XML files.
* Experience in **UNIX shell scripting, job scheduling** and communicating with server using **pmcmd**.
* Experience in Analyzing Execution Plan and managing indexes and troubleshooting deadlocks.
* Good knowledge in using system tables such as **sysindexes, sysprocesses, sysobjects** and **syscomment** in various queries and using **Database Console Commands (DBCC).**
* Good knowledge in Normalizing and De-normalizing the tables and maintaining Referential Integrity by using Triggers and Primary and Foreign Keys.
* In-depth understanding of Data Warehousing and Business Intelligence concept
* Designed and developed efficient Error handling methods and implemented throughout the mappings in various projects.
* Designed, tested, and deployed plans using IDQ 8.5
* Good knowledge of Master Data Management concepts.
* Responsible for interacting with business partners to identify information needs and business requirements for Reports.
* Good Knowledge of Kimball and Inmon data warehouse design approaches and considerations
* Good understanding of dimensional models, slowly changing dimensions, star & snowflake schemas.
* Familiar with Teradata utilities (MLOAD, TPUMP and FAST LOAD) to load data

**Technical Skills**

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| --- | --- |
| **Databases** | Oracle 10g/9i/11g, DB2, SQL server 7.0/2000/2005/2008, MS Access 2000/2005, MySQL, Teradata 13.10 |
| **Languages** | Transact- SQL, PL/SQL,HTML, C, C#, PERL |
| **Operating Systems** | Windows NT/98/2000/XP/Vista/2003, Linux, Unix, MS-DOS, Sun Solaris. |
| **OLAP/Reporting Tools** | SQLServer Analysis Service(SSAS), SQL Server Reporting Service(SSRS), Share Point MOSS 2007, Business Objects 6.x, Cognos Framework Manager |
| **ETL Tools** | Informatica Power Center 9.x/8.x/7.x, Informatica Power Exchange, Informatica Data Quality Suite 8.5, Talend, SQL Server Integration Services (SSIS), SQL Server DTS, Pentaho Kettle, Cognos Datamanager |
| **Data Modeling Tools** | Microsoft Visio 2000/2003 |
| **SQL Server Tools** | SQL server Management Studio, SQL server Query Analyzer, SQL server profiler |
| **Web Technologies** | MS FrontPage, MS Outlook Express, FTP, TCP/IP, LAN,PHP |
| **Other Tools** | Microsoft Office, Visual Basic 6, Informatica Analyst |

**Professional Experience**

**Geisinger Health Plan**

Danville, PA.

***Role: sr. ETL/Informatica Developer December 2013 – Present***

**Geisinger Health Plan (GHP)**, a not-for-profit health maintenance organization (HMO), serves the health-care needs of members in 43 counties throughout central and northeastern Pennsylvania. GHP teamed with Caradigm, which is a joint venture between General Electric Co. (GE) and Microsoft Corporation, to develop the Health Services Information System (HSIS) application. The application is aimed at presenting a 360o, patient-centric view to Health Services and Pharmacy stakeholders who manage patient’s care. It will integrate systems from both the payer and provider sectors of health care to deliver functionality for Case Management, Medical Management, Wellness Programs, Pharmacy, Appeals, and Quality Improvement as well as a patient’s personal health record (PHR), an employer view of that subpopulation, and access for providers of care.

***Responsibilities:***

* Designed and developed various Informatica mappings using transformations like Expression, Aggregator, External Procedure, Stored Procedure, Normalizer, Lookup, Filter, Joiner, Rank, Router, Update Strategy and XML.
* Involved in interacting with business users for requirements.
* Analyzed data flow and business requirements to create High Level Design document.
* Developed various Ad-hoc mappings for various business needs.
* Acquired substantial knowledge with respect to the different source systems in healthcare – namely Amisys, Milliman etc.
* Experienced with loading into and reading from XML files in Informatica Powercenter.
* Responsible to tune ETL procedures and schemas to optimize load and query Performance.
* Interpreted logical and physical data models for Business users to determine common data definitions.
* Involved in Data Validating, Data integrity, Performance related to DB, Field Size Validations, Check Constraints and Data Manipulation.
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* Implemented the concept of slowly changing dimensions to maintain current and historical data in the dimension.
* Wrote UNIX shell Scripts to FTP of files from remote server.
* Developed mappings to load into staging tables and then to Dimensions and Facts.
* Used Informatica Analyst for Data Profiling.
* Created mapping documents to outline data flow from sources to targets.
* Involved in upgrading from Informatica 9.1 to Informatica 9.5.1.
* Used Tidal scheduler to schedule and run Informatica workflows.
* Involved in migration projects to migrate data from data warehouses on Oracle/DB2 and migrated those to Teradata.
* Used Fast Load to load the stage tables in Teradata.

***Environment:*** Informatica Powercenter 9.1/9.5, Informatica Power Exchange, Informatica Analyst, UNIX, PL/SQL, MS SQL Server 2008, Oracle 11g, Tidal, Putty, Teradata 13.10.

**Staples Inc.**

Framingham, MA

***Role: ETL/Informatica Developer August 2012 – October 2013***

Staples Inc. is a large office supply chain store, with over 2,000 stores worldwide in 26 countries. It has its headquarters based in Framingham, Massachusetts. The primary objective of this project is to get data from different sources (DB2, MySQL, SQL Server, Oracle, Flat file) and perform the necessary operations on the data as per the user requirement and load into the data warehouse for analysis and generate the reports from them; and was also working in some minor in-house projects

***Responsibilities:***

* Designed and developed various Informatica mappings using transformations like Expression, Aggregator, External Procedure, Stored Procedure, Normalizer, Lookup, Filter, Joiner, Rank, Router, Update Strategy and XML.
* Developed various Ad-hoc mappings for various business needs.
* Supported the BI team by extracting operational data from multiple sources, merging and transforming the data to facilitate enterprise-wide reporting and analysis and delivering the transformed data to coordinated data marts.
* Responsible to tune ETL procedures and schemas to optimize load and query Performance.
* Perform Designs and Analysis on business systems applications, systems interfaces, databases, reporting, or business intelligence systems
* Deliver new systems functionality supporting corporate business objectives
* Implemented the concept of slowly changing dimensions to maintain current and historical data in the dimension.
* Wrote Teradata Macros and used various Teradata analytic functions.
* Translate requirements and high-level design into detailed functional design specifications.
* Responsible for design, development and maintenance of Data Marts including Sales, Inventory, Customer Reporting and Resource Management leveraging Informatica Power Center ETL tool, Oracle and SQL Server.
* Interpreted logical and physical data models for Business users to determine common data definitions.
* Involved in Data Validating, Data integrity, Performance related to DB, Field Size Validations, Check Constraints and Data Manipulation.
* Coordinated with Business Users to understand business needs and implement the same into a functional Data warehouse design.
* Used ERStudio to analyze and optimize database and data warehouse structure.
* Used Tidal scheduler to schedule and run Informatica workflows.
* Accountable for documenting, designing and constructing the Extract, Translate and Load jobs that will move data for the Operational Data Store using Talend ETL Platform.
* Designed numerous ad-hoc ETL processes in **Talend** to load data from DB2 to MySQL for an in house data quality project.
* Served as a SSRS 2000 Reports Developer and SQL Server Developer in support of Service Management System.
* Used Pentaho Data Integration Designer to create ETL transformations.
* Used Informatica Analyst to profile the source systems

***Environment:*** Informatica Powercenter 9.1, Informatica Power Exchange, Informatica Analyst, Oracle 11g, UNIX, PL/SQL, Embarcadero ERStudio Data Architect, TOAD, Tidal, Putty.

**UPS**

Chelmsford, MA

***Role: ETL/Informatica Developer May 2008 – June 2012***

UPS is a global company with one of the most recognized and admired brands in the world. UPS is the world's largest package delivery company and a leading global provider of specialized transportation and logistics services. The primary objective of this project is to get data from different sources (SQL Server, Oracle, Flat file) and perform the necessary operations on the data as per the user requirement and load into the data warehouse for analysis and generate the reports from them.

***Responsibilities:***

* Designed and developed various Informatica mappings using transformations like Expression, Aggregator, External Procedure, Stored Procedure, Lookup, Filter, Joiner, Rank, Router, Update Strategy and XML.
* Developed various Ad-hoc mappings for various business needs.
* Supported the BI team by extracting operational data from multiple sources, merging and transforming the data to facilitate enterprise-wide reporting and analysis and delivering the transformed data to coordinated data marts.
* Perform Designs and Analysis on business systems applications, systems interfaces, databases, reporting, or business intelligence systems
* Responsible for design, development and maintenance of Data Marts including Sales, Shipment, Customer Reporting and Transportation leveraging Informatica Power Center ETL tool, Oracle and SQL Server.
* Deliver new systems functionality supporting corporate business objectives.
* Involved in production support activities with Installation and Configuration of Informatica Power Center 9.1.
* Translate requirements and high-level design into detailed functional design specifications.
* Wrote stored procedures, functions, and database triggers in SQL Server 2008.
* Responsible to tune ETL procedures and schemas to optimize load and query Performance.
* Interpreted logical and physical data models for Business users to determine common data definitions.
* Involved in Data Validating, Data integrity, Performance related to DB, Field Size Validations, Check Constraints and Data Manipulation and Updates by using SQL Single Row Functions.
* Coordinated with Business Users to understand business needs and implement the same into a functional Data warehouse design.
* Used ERStudio to analyze and optimize database and data warehouse structure.
* Implemented the concept of slowly changing dimensions to maintain current and historical data in the dimension.
* Develop reports using complex formulas and to query the database to generate different types of ad-hoc reports using **SSRS.**
* Experience in using Normalizer transformation for normalizing the XML source data.
* Extensively used XML transformation to generate target XML files.
* Developed UNIX shell scripts for scheduling sessions in Informatica.
* Provide SME level guidance to Development and Application support teams during development and deployment phases.
* Facilitate/lead design reviews of functional design with other members of the technical team, communicating design, requirements, feature set, functionality and limitations of systems/applications.
* Developed ETL technical specs, Visio for ETL process flow and ETL load plan, ETL execution plan, Test cases, Test scripts etc.
* Responsible for ETL development with successful design, development, and integration of components within the Talend ETL Platform.
* Created dashboards in Pentaho using Pentaho Dashboard Designer.
* Automated hourly and daily transaction reports using talend open studio.
* Extraction, transformation and loading of data from various file formats like .csv, .xls, .txt and various delimited formats using talend open studio and sql loader.
* Actively involved in building the system test environment
* Migrated mappings from Development to System Test environment and QA environment.
* Used Informatica Power center workflow manager to create sessions, workflows and Worklets to run with the logic embedded in the mappings.

***Environment:*** Informatica Power Center 9.1/8.6, SQL Server 2005/2008, PL/SQL, Transact SQL, Oracle 10g/11g, Embarcadero ERStudio Data Architect, TOAD, UNIX

**Market Basket**

Tewksbury, MA

***Role: ETL Developer Dec 2006 – April 2008***

Market Basket Inc. oversees the operation of two chains of supermarkets and superstores in the Northeast, with warehouse facilities and headquarters in the Massachusetts town of Tewksbury. The idea of the project is to initially build data marts and then integrate all marts into one enterprise wide data warehouse.

***Responsibilities:***

* Extensively used several transformations such as Source Qualifier, Router, Lookup (connected & unconnected), Update Strategy, Joiner, Expression, Aggregator and Sequence generator transformations.
* Involved in Dimensional modeling to Design and develop STAR Schemas, used ER-win 4.0, identifying Fact and Dimension Tables.
* Worked with different Sources such as Oracle, MS SQL Server and Flat file.
* Used Informatica to extract data into Data Warehouse.
* Identified and tracked the slowly changing dimensions, heterogeneous Sources and determined the hierarchies in dimensions.
* Created reusable transformations and Mapplets and used them in mappings.
* Used Informatica Repository Manager to maintain all the repositories of various applications.
* Developed number of Complex Informatica Mappings, Mapplets and Reusable Transformations for the Claim Profitability Systems to facilitate Daily, Monthly and yearly Loading of Data.
* Involved in fixing invalid Mappings, testing of Stored Procedures and Functions, Testing of Informatica Sessions, and the Target Data.
* Wrote UNIX scripts and PL/SQL scripts for implementing business rules.
* Worked on SQL tools like TOAD to run SQL queries to validate the data.
* Design and Development of pre-session, post-session and batch execution routines to run Informatica sessions using Informatica Server.
* Created and Scheduled sessions & Worklets using workflow Manager to load the data into the Target Database
* Wrote PL/SQL stored Procedures and Functions for Stored Procedure Transformations.
* Used Control –M scheduler to automate the process.
* Participated in Review of Test Plan, Test Cases and Test Scripts prepared by system integration testing team.
* Monitored the performance and identified performance bottlenecks in ETL code.

***Environment:*** Informatica PowerCenter 7.1.3, Oracle9i, MS SQL Server 2000, MS Enterprise Manager, MS Query Analyzer, Flat file, XML, Control-M (scheduler), Linux, UNIX Korn scripting, TOAD, Erwin 4.0, Windows NT, Clear case.

**Siemens Ltd.**

Thane, India

***Role: SQL BI Developer May 2006 - Oct 2006***

### Siemens is the world’s single-source leader of automation technology products engineered and manufactured for all industrial sectors. This project was to create and maintain a central data warehouse for all the data and to create reports to give better analysis to the automation and drive department.

***Responsibilities:***

* Worked on complex data loading (implemented the batch data cleansing and data loading).
* Used BCP utility to publish table output to text files.
* Worked on DTS Package, DTS Import/Export for transferring data from Heterogeneous Database to SQL Server.
* Creation/ Maintenance of Indexes for fast and efficient reporting process.
* Configured Server for sending automatic mails to the respective people when a DTS process failure or success.
* Created new tables, written stored procedures for Application Developers and some user defined functions.
* Maintained a good client relationship by communicating daily status and weekly status of the project.
* Created linked servers between different SQL Servers and also created linked server with different access files used across various Used Data departments
* Performance tuning of SQL queries and stored procedures using SQL Profiler and Index Tuning Wizard.
* Developed SQL scripts to Insert/Update and Delete data in MS SQL database tables.
* Developed code that matches the prototype and specification, is maintain and, as necessary, portable to other environments.
* Created Business-Crucial stored procedures and functions to support efficient data storage and manipulation.
* Designed and developed database objects like Tables, Stored Procedures, Triggers, Rules, Defaults, user defined data types and functions for this project.
* Created Indexes to get high level performance in making consumer search queries faster.
* Performed ETL operations to support the data loads and transformations using SSIS.
* Excellent report creation skills using Microsoft SQL Server 2005 Reporting Services (SSRS) with proficiency in using Report Designer as well as Report Builder.
* Worked extensively in writing and debugging complex stored procedures, triggers, Inner Joins, Outer Joins, views and user-defined functions
* Used SQL Profiler for troubleshooting, Monitoring, Optimizing SQL Server and T-SQL statements from developers and testers.
* Implemented automated backup and database maintenance / cleanup jobs.
* Create and Update Stored Procedures to produce tables and flat files from the production database
* Created various weekly, monthly/quarterly Tabular and Matrix Reports using **SSRS** to assist in decision making.
* Created and scheduled jobs for various tasks and also was responsible for maintaining jobs.

***Environment:*** SQL Server 7.0/2000/2005, Enterprise Manager, SQL Profiler, DTS, T-SQL, Query Analyzer, SSIS, SSRS ,SSAS.