**Sunil Kumar**

**Sr. ETL Informatica Developer**

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**Summary:**

* 8+ Years of IT experience in designing, implementation, development, testing and maintaining the ETL components for building Data Warehouse & Data marts across different domains.
* Experienced in all stages of the software lifecycle Architecture (**Waterfall model, Agile Model**) for building a Data warehouse.
* Well acquired on **Informatica Power Center 9.x/8.x/7.x** Designer Tools (Source Analyzer, Warehouse Designer, Mapping Designer, Mapplet Designer, and Transformation Developer), Workflow Manager Tools (Task Developer, Worklet and Workflow Designer) and Repository Manager & Admin console.
* Involved in Troubleshooting data warehouse bottlenecks, Performance tuning - session and mapping tuning, session partitioning & implementing Pushdown optimization.
* Extensively worked on various transformations like **Lookup, Joiner, Router, Rank, Sorter, Aggregator, Expression**, etc.
* Exposure to Data Warehousing, Data Architecture, Data Modeling, **Data Analysis, SDLC Methods**.
* Good Understanding with experience in **Ralph Kimball Methodology, Bill Inmon Methodology, entity-relational and dimensional-relational table modeling** using Data Modeling (Dimensional & Relational) concepts like **Star Schema Modeling and Snow-flake schema** modeling.
* Extensive experience with Data Extraction, Transformation, and Loading(ETL) from heterogeneous Data sources of Multiple Relational Databases like **Oracle, Teradata, DB2, SQL Server, My Sql, Sybase** and Worked on integrating data from **flat files like fixed width and delimited, CSV, XML** into a common reporting and analytical Data Model (DWH) using Informatica PC.
* Performed data cleansing, massaging, masking.
* Help support Data masking projects for DRD for all Dev, QA and UAT environments via Enterprise

Data Obfuscation.

* Created logs for ETL load at package level and task level to log number of records processed by each package and each task in a package using SSIS.
* Implemented Error handling and Roll Back process in ETL load.
* Configured SSIS packages using Package configuration wizard to allow packages run on different environments.
* Experience with **Teradata utilities like Fast load, Fast Export, Multi Load, TPUMP & TPT**. Have experience in creating **BTEQ** scripts.
* Implemented the technology foundation for ITSM, and service oriented organization.
* Strong knowledge of Reporting tools and working with reposting & Business users.
* Experience on Oracle utilities like **SQL Loader**.
* Extensively used **SQL and PL/SQL** for development of Procedures, Functions, Packages and Triggers.
* Experience in using the Informatica command line utilities like PMCMD to execute workflows in Unix environment.
* Good programming skills in SQL and PLSQL.
* Used Sub Version for **versioning**.
* Proficiency in data warehousing techniques for **Slowly Changing Dimension** phenomenon, surrogate key assignment, Normalization & De-normalization, Cleansing, Performance Optimization along with the **CDC (Change Data Capture)**.
* Good Experience in UNIX Shell scripting & Windows Batch Scripting for Parsing Files & automation of batch ETL jobs.
* Strong knowledge in RDBMS concepts.
* Versatile team player with excellent analytical, communication and presentation skills.
* Quick adaptability to new technologies and zeal to improve technical skills.
* Good analytical, programming, problem solving and troubleshooting skills.

**Technical Skill Set:**

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| --- | --- |
| **ETL Tools** | Informatica Power Center 9.6.1/9.5.1/9.1/8.6/8.5/8.1/7.1  (Workflow Manager, Workflow Monitor, Repository manager and Informatica Server). |
| **Databases** | Oracle 8.x/9i/10g/11g, Teradata 14/13/12 ,DB2, MS SQL Server 2000, Sybase, SSIS, My Sql. |
| **Database Utilities**  **Modelling** | SQL Plus, SQL Loader, ODBC, Toad, Teradata Utilities.  Erwin and MS Visio. |
| **Languages and Packages** | SQL, PL/SQL, Unix Shell Scripting, XML |
| **Operating Systems** | Unix (Sun-Solaris, HP-UX, AIX), Windows 95/98/NT/2000/XP |
| **Testing Tools** | Quality Center, Mercury Test Director |
| **Scheduling Tools** | Control-M, Autosys, Maestro |

**JPMorgan Chase**

**Columbus, OH**

**Sr.ETL Informatica Developer**

**Oct 2016 – Current**

**Description:**

**JPMC (JP. Morgan Chase & Co.)** is a leading global financial services firm with operations in more than 50 countries. JP Morgan provides a full range of investment banking and commercial banking products and services, including advising on corporate strategy and structure, capital raising in equity and debt markets, sophisticated risk management and market-making in cash securities and derivative instruments in all major capital markets. Whereas Chase delivers financial products, services, advice and planning to more than 30 million individuals, small businesses and middle market customers across the United States.   
   
**Responsibilities:**

* Highly involved in design of the data movement from source to target involving the Informatica design, Oracle database, which included design and coding of the Integrity Constraints, database tables and triggers.
* Developed standard and re-usable mappings, mapplets, workflows, worklets using various active and passive transformations like expression, aggregator, joiner, source qualifier, router, lookup, ranker, sequence generator, update strategy and router.
* Performed Data Analysis tasks like Profiling, Validating and Cleansing data using Informatica Analyst and developed data quality mappings using developer.
* Created Data Quality DWH used in dashboard developed by Qlikview for the metrics like total record counts, distinct counts, distinct fields, count of null, referential checks etc., based on the rules being applied on each attributes level of the inbound raw data at the staging.
* Developed Unix Shell and Perl scripting to automate the process of scheduling jobs, file watcher, job execution which involves Informatica pmcmd scripts, data validation of comparing source and targets. Supported tools like Data comparison modules, PLUX scheduling modules which run on Linux.
* Cleansing, Staging, applying Transformations and eventually loading into the data warehouse.
* Good Knowledge of UNIX Shell scripting for better handling of incoming source files such as moving files from one directory to another directory and extracting information from the log files on Linuxserver.
* Usage of Data Masking transformation logic including Key, Expression and Substitution.
* Created copies for the non-production environments by masking the data to make sure test and development processes are not exposing sensitive information.
* Ensure the validity of configuration data through mature processes supporting ITSM workflow integrations.
* Good understanding in database and data warehousing concepts (OLTP & OLAP).
* Extensively worked on SQL, PL/SQL, Packages, Materialized views, functions, triggers etc., using Toad.
* Used SSIS to create ETL packages to validate, extract, transform and load data to data warehouse databases.
* Experience in developing and monitoring ETL packages and DTS packages using SQL server Integration Services (SSIS).
* Experienced in writing complex SQL queries & Stored Procedures, Functions (TSQL, PL/SQL) & Performance Tuning.
* Extensive experience in developing Stored Procedures, Functions, Views and Triggers, Complex SQL queries using SQL Server, TSQL and Oracle PL/SQL.
* Implemented partitioning at database level and also in Informatica to improve the performance, implemented modularity to UNIX & Perl scripts by passing parameters for the respective context of jobs to run.
* Extensively with QA & UAT team to resolve the tickets raised through ALM in the process of code movement from Dev & Prod.
* Involved in version management of software and code from DEV to QA to UAT and then to PROD using version control tool: SVN.
* Improved the performance of certain batch jobs by replacing the Oracle stored procedures, applying right indexes, Pre- and Pro- SQL’s processing inInformatica and materialized views.
* Validating the developed reports on Cognos report studio end whether the data is flowing from database to report level as per the business requirement and fixing the defects if any raised from all the environments of QA, UAT and also PROD.
* Creating Autosys job flows to run the jobs/scripts as per the application and conduction the Unit and Performance test of whole flow in the Autosys.
* Creating PPT, Visio for the whole existing system and also adding the new contexts to it and also give early life support the application which move on a monthly basis.

**Environment:**Informatica 9.5/9.6 Power center, Informatica Developer(IDQ), Cloud Real Time (ICRT)Informatica Analyst, Oracle Toad, SQL Developer, SSIS, MS SQL Server Management studio, Cognos Report Studio, Autosys, File-Zilla, Putty, HP ALM, MS SQL server 2008, Oracle 11g,Linux.

**TEXAS MEDICAID AND HEALTH CARE PARTNERSHIP, AUSTIN, TX**

**Sr.ETL Informatica Developer**

**June 2015 – Sept 2016**

**Description:**

**Texas Medicaid and Health Care** Partnership is an innovative leader in the health and well-being industry, Texas Medicaid and Health Care is dedicated to making business decisions that reflect its commitment to improving health and well-being of its members, associates, the communities. During this project, I worked closely with the ETL team, customers, business analysts and other colleagues in the IT department to analyze operational data sources, determine data availability, define the data warehouse schema and develop ETL processes for the creation, maintenance, administration and overall support of the data warehouse.

**Responsibilities:**

* Worked with Business analysts and the DBA for requirements gathering, business analysis and designing of the data marts.
* Preparation of technical specification document for the development of Informatica Extraction, Transformation and Loading (ETL) mappings to load data into various tables in Data Marts and defining ETL standards.
* Created Sql Server Integration Service (SSIS) packages to extract data from Excel File, Flat Files, Text Files and Comma Separated Values (CSV) files.
* Estimates and planning of development work using Agile Software Development.
* Good experience on Agile Methodology and the scrum process.
* Ensured performance metrics are met and tracked
* Processes to generate Daily, Weekly and Monthly data extracts were developed and the data files were sent across to the downstream applications.
* Involved in Data modeling review sessions - E/R diagrams, normalization and de-normalization as per business requirements.
* Developed Unix Shell and Perl scripting to automate the process of scheduling jobs, file watcher, job execution which involves Informatica pmcmd scripts, data validation of comparing source and targets.
* Supported tools like Data comparison modules, PLUX scheduling modules which run on Linux.
* Automate all the Linux & nzsql scripts to run for every subsequent change in year without any manual intervention.
* Create new nzsql scripts for populating the Netezza tables from source files and Linux scripts to execute these nzsql scripts.
* Comfortable with both technical and functional applications of RDBMS, Data Mapping, Data management and Data transportation.
* Experience in Performance tuning of Source SQL queries and Teradata Queries.
* Created mappings by using Joiner, Expression, Aggregator, Data masking, Router, Lookup, SQL transformation, Update Strategy and Sequence Generator.
* Designed and Developed ETL (Extract, Transformation & Load) strategy to populate the Data Warehouse from the various source systems such as Oracle, Oracle GG, Flat files, XML, My Sql.
* Responsible for transferring the data using SSIS packages from excel/flat file sources to database.
* Responsible for creating, scheduling Jobs in Talend and SSIS.
* Developed Stored Procedures, Functions, Tables, Views and other T-SQL code and SQL joins for applications.
* Published migrated data using SSIS (SQL Server Integration Services) through data flow tasks, look up transformations and script tasks.
* Used the Teradata external loading utilities like Multiload, TPUMP, Fast Load and Fast Export to extract from and load effectively into Teradata database.
* Knowledge in designing Dimensional models for DataMart and Staging Database.
* Retrieved data from the Oracle CDC staging tables.
* Involved in design and development of ETL jobs for Extraction of data from source systems, Cleansing, Staging, applying Transformations and eventually loading into the data warehouse.
* Worked on Web Service Call through Informatica by generating and testing the incoming XML using external Freeware called SOAP UI.
* Configured tasks and workflows using workflow manager.
* Involved in the creation of Oracle Sql and PL/SQL stored procedures and functions.
* Involved in fixing invalid Mappings, testing of Stored Procedures and Functions, Unit and Integration Testing of Informatica Sessions, Batches and the Target Data.
* Tuned the Sessions for better performance by eliminating various performance bottlenecks.
* Used Session Parameters to increase the efficiency of the sessions in the Workflow Manager.
* Writing Unix &Perl script to load data from sources to staging tables, to create indirect file list, generate parameter files for respective paths.
* Used SVN for version control and Autosys for Job scheduling.
* Applied Agile methodology throughout the development life cycle of application.

**Environment:** Informatica Power Center 9.6.1/9.5.1, Oracle 11g, CDC, PLSQL, Teradata 14/13, Teradata Tools and Utilities, Autosys, My Sql, UNIX, SSIS, Putty, Perl, MS Visio, Linux.

**KAISER PERMANENTE, PLEASANTON, CA.**

**Sr.ETL Developer**

**Jan 2014 - May 2015**

**Description:**

**Kaiser Permanente** is an integrated managed care organization, is the largest health care organization in the United States. The Health Plan and Hospitals operate under state and federal non-profit tax status, while the Medical Groups operate as for-profit partnerships or professional corporations in their respective regions. The project was to design, develop and maintain a data warehouse for their vendor’s data, internal reference data and work with their DBA to ensure that the physical build adheres to the model blueprint.

**Responsibilities:**

* Involved in creating Detail Design Documentation to describe program development, logic, coding, testing, changes and corrections.
* Extensively involved in writing ETL specifications for development and conversion projects.
* Involved in requirement definition and analysis in support of Data Warehouse.
* Designed complex ETL mappings and Oracle Sql scripts.
* Developed Informatica mappings, transformations, reusable objects by using mapping designer, and transformation developer and mapplet designer in Informatica Power Center.
* Created Reusable Transformations and Mapplets and used them in mappings.
* Used Informatica Power Center for extraction, loading and transformation (ETL) of data in the data warehouse.
* Used Informatica Power Center Workflow manager to create sessions, batches to run with the logic embedded in the mappings.
* Worked on SQL Server Integration Services (SSIS) to integrate and analyse data from multiple heterogeneous information sources (Oracle & Sybase).
* Created complex mappings in Power Center Designer using different types of transformations like Source Qualifier, Expression, Filter, Aggregator, Sequence Generator, Router, Update Strategy, Sorter, Normalizer, Lookup, Joiner and Stored procedure transformations.
* Defined and worked with mapping parameters and variables.
* Designed and developed transformation rules (business logic) to generate consolidated (fact/summary) data using Informatica ETL tool.
* Checked Sessions and error logs to troubleshoot problems and also used debugger for complex problems.
* Created various UNIX Shell Scripts for scheduling various data cleansing scripts and loading process. Maintained the batch processes using Unix Shell Scripts.
* Designed and Deployed UNIX Shell Scripts.
* Experienced in performance tuning in Informatica.
* Coordinated with testing team to make testing team understand business and transformation rules being used throughout ETL process.
* Production & On Call Support.
* Involved in collection layer development

**Environment:** Informatica 9.5.1/9.1.1, Flat files, Oracle, Oracle Golden Gate CDC, SSIS, DB2, Sybase, Sql, PL/SQL, UNIX, Windows.

**Bank of America, NY**

**ETL Developer**

**Nov 2012 - Dec 2013**

**Description:**

**Bank of America** is one of the largest financial organizations focusing on consumers and commercial clients. This Data mart is projected to assist Sales and Marketing Department to analyze their sales and also categorize their customers based on significant portfolio services including checking accounts, savings accounts, personal loans and geographical area. Using different ad-hoc analysis, Warehouse is supposed to assist in defining strategy for each customer category.

**Responsibilities:**

* Involved in system study, analysis of the requirements and designing of the complete system.
* Created mapping documents with the required Transformation logic, Sources and Targets for Facts and Dimensions.
* Responsible for verification of functional specifications and review of deliverables.
* Designed and Created data cleansing, validation and loading scripts for warehouse using Informatica PowerCenter 9.1.1/8.6.1.
* Extensively used Informatica Client Tools Source Analyzer, Warehouse Designer, Transformation Developer, Mapping Designer, Mapplet Designer, and Informatica Repository.
* Created reusable transformations and mapplets to use in multiple mappings.
* Used debugger to test the data flow and fix the mappings.
* Created and monitored workflows and tasks using Informatica Power Center Work Flow Manager.
* Analyzed newly converted data to establish a baseline measurement for data quality in data warehouse.
* Logical and physical Sybase database design in Erwin for data warehouse used by a securities lending application.
* Created repository, Groups, Users assigned privileges using repository manager.
* Developed mappings/Transformation/mapplets by using mapping designer, transformation developer and Mapplet designer in Informatica Power Center.
* Worked with XML sources to get the data to Oracle to suite our environment.
* Setting up batches and sessions to schedule the loads at required frequency using Power Center server manager.
* Involved in Version control of the jobs to keep track of the changes in the Development Environment.
* Developed Shell scripts to setup runtime environment, and to run stored procedures, packages to populate the data in staging tables.
* Documented the purpose of mapping so as to facilitate the personnel to understand the process and incorporate the changes as and when necessary.
* Developed Unit test cases for all the jobs.
* Provided assistance during user testing.

**Environment:** Informatica Power Center 9.1.1/8.6, Oracle 9i/8i, SQL Server 2005, Sybase, PL/SQL, SQL Loader, Unix Shell Script, Windows.

**ICICI Bank, HYD**

**ETL Developer**

**Jul 2009 – Aug 2012**

**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   
   
**Responsibilities:**

* 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.

**EDUCATIONAL QUALIFICATIONS:**

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