**Swathi Kannekanti**

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**SUMMARY:**

* Over **8+ years** of professional experience in IT Industry and expertise in Analysis, Design, Development, Implementation, Modeling, Testing, and support for Data warehousing applications.
* Strong experience in all phases of Software Development Life Cycle **(SDLC**) including Agile and Waterfall development methodologies.
* Extensive experience in using **Informatica PowerCenter 9.x/8.x/7.x** for implementation of ETL methodology in **Data Extraction, Transformation and Loading**.
* Extensively used **Informatica Repository manager, PowerCenter Designer, Workflow manager, Workflow Monitor** and development of complex ETL mappings and scripts using Informatica PowerCenter.
* Hands on experience in using Informatica Designer Components which helps in developing mappings with varied transformation logics like connected and unconnected **Lookups**, **Router, Filter, Expression,** **Aggregator**, **Joiner**, **Update Strategy, Normalizer** and **Re-usable transformations.**
* Worked in **Performance Tuning** of Informatica Mappings, Sessions and SQL Queries.
* Strong expertise in Relational database systems **(RDBMS)** like **Oracle, SQL Server, TeraData, Netezza, MS Access, DB2** design and database development using **SQL, PL/SQL, SQL PLUS, TOAD, SQL-LOADER.**
* Experience in developing **Stored Procedures**, **Packages**, **Functions**, **Triggers** and **Views** using **SQL and PL/SQL.**
* **Very strong analytical, technical and business skills in architecting and designing using ETL applications with advanced concepts of Ralph Kimball** and **Bill Inmon Methodologies**.
* Working knowledge in using Informatica Power Exchange **CDC** **(Change Data Capture)** with Oracle database.
* Exposure to **Teradata BTEQ, FastLoad, MultiLoad, T-pump and TPT utilities**.
* Good at **Data Modeling, Data Mapping, Data Profiling, Data Visualization, Data Quality (IDQ),** **Data Cleansing, ETL Processes in Client/Server**.
* Experience in **designing and developing efficient Error handling methods** for ETL mappings and workflows.

Worked on Infomatica Data Quality to resolve customers address related issues.

* Designed and developed complex mappings using Informatica power center and Informatica developer (IDQ).
* Expertise in **OLTP/OLAP** System Study, developing database Schemas like **Star schema** and **Snowflake schema,** **FACT** and **Dimensions tables**, **slowly changing dimensions** **(SCDs) Type 1, Type 2 and Type 3**.
* Experience working with **OBIEE/OBI Applications and** understanding of all aspects of an implementation project using **OBIEE**
* Self motivated with strong problem solving, analytical, interpersonal skills, communication skills and have the ability to work both independently and as a team at all levels.

**EDUCATIONAL QUALIFICATIONS:**

* Masters in Information Technology, Stratford University, VA.
* Bachelors in Information Technology, JNT University, INDIA.

**TECHNICAL SKILLS:**

ETL Tools : **Informatica Power Center** **9.x/8.x/7.x**, Informatica, **Microsoft SQL Server Integration Services (SSIS)**, Power Exchange 8.0, **SAS** BI Suite, Data Cleansing, Data Profiling, Data Quality, Web services.

Operating Systems : Microsoft Windows 7/XP/2000/NT, LINUX

Languages : **SQL**, **PL/SQL**, UNIX Shell Scripting, XML

Business Intelligence : Business Objects XI R2, OBIEE 11g, Cognos Report Net 1.1

Databases : **Oracle 11g/10g/9i/8i**, **IBM Netezza TwinFin, SQL Server** 2008/2005, **Teradata, DB2**

Tools/Utilities : TOAD, **SQL Developer**, Erwin, Microsoft Visio

##### Scheduler : Autosys, Control-M

**PROFESSIONAL EXPERIENCE**:

**Client : Wellpoint Inc., Richmond,VA Dec 2013 - Present**

**Role : Sr. Informatica ETL Developer**

WellPoint is the nation's leading health benefits company serving the needs of approximately 33 million medical members nationwide. It is offering a broad range of medical and specialty products. The goal of Enterprise Data Warehouse (EDW) program is to create a single, authoritative source for analytical reporting. The flow of this project is to getting the data on to the Enterprise Data Warehouse (EDW) using the Persistent Data Source (PDS) as the Input. Taking the PDS as input and applying all the business rules and transformations, the data would be loaded onto the Target Data Base, which is standing on Universal Data Base (UDB). Loading of data into the EDW is done using the ETL Tool Informatica and scheduled using Informatica scheduler. The Insurance warehouse was built for the users to analyze the detailed transactions related to the insurance policies and also the transactions generated by claims processing. Data residing in SQL Server, flat files are consolidated onto target warehouse database built on Oracle 10g/9i.

**Responsibilities:**

* Interacted with Data Modelers and Business Analysts to understand the requirements and the impact of the ETL on the business using **Informatica PowerCenter 9**.
* Worked with data modelers in preparing logical and physical data models and adding/deleting necessary fields using Erwin.
* Prepared technical specifications to develop Informatica ETL mappings to load data into various tables confirming to the business rules.
* Designed ETL architecture and architecture documents.
* Performed an active role in shaping and enhancing overall ETL Informatica architecture.
* Designed and created **Claims** Data Mart as part of the **Enterprise Data Warehouse**. The Data Marts used the Ralph Kimball methodology, 5 star schemas with conformed dimensions and fact tables.
* Involved in discussing strategies and roadmaps for **Informatica PowerCenter Grid** implementation with key business stakeholders.
* In creating complex mappings, extensively used transformations like **Router, Aggregator, Normalizer, Joiner, Expression, Lookup, Update strategy and Sequence generator, Procedure.**
* Created **reusable transformations** and mappings by using mapping designer, transformation developer in Informatica PowerCenter and used them in mappings.
* Involved in building the **ETL** **Source to Target mapping** to load data into Data warehouse and created mapping documents to outline data flow from sources to targets.
* Involved in the design and implementation of Universe using the **Business Objects Designer.**
* Use of **Designer module** to implement Universes, linkages between tables, creating prompts and queries, parsing the Universes, applying contexts and alias tables to remove cyclic dependencies.
* Importing & exporting database using **SQL Server Integrations Services (SSIS)** and Data Transformation Services (DTS Packages).
* Designing **SSIS** Packages using several transformations to perform Data profiling, Data Cleansing and Data Transformation.
* Involved in all the phases of Migration from **DTS to SSIS** packages.
* Involved in **Dimensional modeling (Star Schema)** of the Data warehouse and used **Erwin** to design the business process, dimensions and measured facts.
* Implemented slowly changing dimensions (**SCD)** scd type -1 and scd type-2 to maintain current information and history information in dimension tables.
* Used Informatica Power Center Workflow manager to develop **sessions** and to develop the **workflows.**
* Wrote **SQL, PL/SQL, stored procedures & triggers, cursors** for implementing business rules and transformations.
* Provided Unix support for testing and tuning shell scripts which are migrated from HP\_UX to **RedHat Linux**
* Worked on different tasks in Workflows like **sessions, events raise, event wait, decision, e-mail, command, worklets, Timer and scheduling** of the workflow.
* Worked on different data sources such as **Oracle, SQL Server, Flat files** etc.
* Designed the ETL processes using Informatica to extract from various operation systems that are on Oracle and SQL Server databases and load into **Teradata** Data warehouse.
* Created deployment groups, migrated the code into different environments.
* Implemented **performance tuning** logic on Targets, Sources, mappings, sessions to provide maximum efficiency and performance.
* Used **BTEQ** utility to communicate with Teradata RDBMS systems
* Fine tuned existing **Teradata procedures**, macros and queries to increase the performance.
* Worked on **SAS** application software operations, **SAS components**, updates, patches and fixes.
* Responsible for Data Modeling and populating the business rules using mappings into the Repository for Meta Data management.
* Interacted with SAS user to meet their needs on **SAS server environment** and contributed for **SAS BI architecture.**
* Experience handling **transition from SAS9.1.2 to SAS9.1.3** and worked with users on new environment
* Strong knowledge on HIPAA standards, **ICD9/ICD10,** EDI transactions & 4010/5010 versions, Medicare and Medicaid Services
* Administered SAS software and server **user access and security**
* **Experience in working with production support team for EDW ETLs execution support and also resolving root causes**
* Worked on creating **HIPAA** files from SQL Server database. Used Teradata SQL Assistant to run the SQL queries and validate the data.
* Worked on integrating data from **IDR** databases with data already in the EDW**.**
* Used **Debugger** to debug the mappings and fixed the bugs.
* Involved in data cleansing using **MDM** technique
* Prepared migration document to move the mappings from development to testing and then to production repositories.
* Provided support to develop the entire warehouse architecture and plan the ETL process.

**Environment**: Informatica PowerCenter 9.1 (IDR Power Center Repository Manager, Designer, Workflow Manager, and Workflow Monitor), MDM, Teradata, Oracle 11g/10g, SAS BI Suite, SSIS, SQL Server 2008, Redhat Linux 6.5, TOAD 6.0, SQL, Erwin, Windows 7.

**Client : J.M.Smucker, Orrville, Ohio Dec 2011 – Nov 2013**

**Role : Sr. Informatica ETL Developer**

J.M.Smucker is a foodservice provider, offering corporate foodservice and hospitality services, vending services, and foodservices for educational institutions and other public-sector clients. Primary goal is to extract data from different data base systems such as Oracle, SQL Server and also from different file format such as flat file, xml and transforming the data, loading the transformed data into target Data Mart for data warehouse operations. Project involves developing data warehouse corresponding reporting tools to analyze sales with their competitors.

**Responsibilities**:

* Worked with Business analysts and the DBA for gathering requirements and for project coordination.
* Implemented logical and physical data modeling with **STAR schema techniques** in Data Mart.
* **Performance tuning** of Informatica sessions for large data files has been done by increasing block size, data cache size and, sequence buffer length.
* Worked on Informatica - **Source Analyzer, Data warehousing designer, Mapping Designer & Mapplet and Transformations**.
* Developed ETL procedures to ensure conformity, compliance with standards and lack of redundancy, translates business rules and functionality requirements into ETL procedures using **Informatica Power Center.**
* Migrated the data from the legacy oracle systems to **Netezza** warehouse
* Used Netezza performance admin tool to monitor the jobs.
* Responsible for the definition, **development** and **testing** of the processes/programs necessary to extract data from the client's operational databases, Transform and cleanse the data, and Load it into the data marts.
* Responsible for the analyzing and comparing complex data from multiple sources **(Oracle, flat files)**.
* Worked extensively with Physical Layer, Business Layer and Presentation Layer to customize the existing business models and also developed new models for maintenance using **OBI** Applications.
* Worked in debugging using Session Log messages, Server Messages.
* Performed extraction, transformation and loading of data from **RDBMS** tables and Flat File sources into Oracle 9i in accordance with requirements and specifications.
* Extensively used various transformations **Lookup, Update Strategy, Expression, Aggregator, Filter, Stored Procedures and Joiner** etc.
* Performed **Unit Testing** and tuned the Informatica mappings for better performance.
* Used **TOAD** to run SQL queries.
* Extensively used **SQL\*Loader** to load data from flat files to database tables in Oracle.
* Used **Informatica Power Center Workflow manager** for session management, database connection management and scheduling of jobs to be run in the batch process.
* Strong work experience in setting up and leading design, development and **production support** teams.
* Responsible for writing **Unix Shell Scripts** to schedule the jobs.
* Worked along with the developers to combine **API’s** and was involved in documenting them.
* ETL mapping Documents for every mapping and Data Migration document have been developed for smooth transfer of project from development to testing environment and then to production environment.

**Environment**: Informatica PowerCenter 9.1 (Power Center Repository Manager, Designer, Workflow Manager, and Workflow Monitor), SQL Server 2005, TOAD 6.0, Netezza twinfin, SQL, PL/SQL, OBIEE 11g, UNIX, Cognos 8.0, Erwin 5.4.

**Client : SunTrust Bank, Atlanta, GA Aug 2009 – Sep 2011**

**Role : Informatica ETL Developer**

SunTrust Banks, Inc. is one of the nation's leading financial services holding companies. The company provides deposit, credit, trust and investment services to a broad range of business, retail and institutional clients. Other subsidiaries provide mortgage banking, insurance, brokerage, investment management, equipment leasing and capital markets services. Main objectives of the project to improve data access and reporting, improve data integrity and consistency across the organization and also to maintain present and historic data to support client’s business process and help senior management for better decisions. Entire ETL process is placed to get reports i.e. monthly financial reports, detailed budget status report, expenditure displays, non grant expenditure details, and balances for current year.

**Responsibilities**:

* Analyzed the source data, Coordinated with Data Warehouse team in developing Relational Model.
* Extensively used **Erwin** for Logical / **Physical data modeling** and **Dimensional data modeling**, and designed star join schemas.
* Designed and developed **Star Schema, Snowflake Schema** and created **Fact Tables** and **Dimension Tables** for the Warehouse and Data Marts and Business Intelligence Applications using **Erwin** Tools.
* Used Informatica Repository Manager to create Repositories and Users and to give permissions to users.
* Used Informatica Designer to create mappings using different transformations to move data from source to a Data Warehouse.
* Used **Joiner, Aggregator, Expression, Router, Sequence Generator, Update Strategy, Source Qualifier and Lookup Transformation** to manipulate data related to customers and developed mappings.
* Created **Update Strategy** and **Stored Procedure** transformations to populate targets based on business requirements.
* Created and Configured **Workflows**, **Worklets** and **Sessions** to transport the data to target warehouse tables using **Informatica Workflow Manager.**
* Scheduled the sessions to **extract, transform** and **load** data into warehouse database as per Business requirements. Improved the session performance by pipeline partitioning.
* Implemented **Slowly Changing dimension (SCD)** methodology for accessing the full history of accounts and transaction information.
* Worked with **Teradata, Mainframes (DB2, Copy book, VSAM files, Sequential files), SQL Server and Oracle.**
* Optimized the performance of the mappings by various tests on sources, targets and transformations.
* Developed **Procedures** and **Functions** in **PL/SQL** for Data **ETL**.
* Created reports using **Business Objects**.
* Implemented **performance tuning** logic on targets, sources, mappings, sessions to provide maximum efficiency and performance.

**Environment**: Informatica Power Center 8.6.1, Power Exchange, Erwin, Oracle 9i/10g, Windows2000/XP, NT, Autosys, Erwin 4.1, Business Objects 6.5, Flat files, Teradata, SQL, PL/SQL, UNIX Shell Scripts.

**Client : Cipla Limited, India Aug 2008 – July 2009**

**Role : Informatica ETL Developer**

Cipla Limited is an Indian multinational pharmaceutical and biotechnology company which offers active pharmaceutical ingredients (APIs) and formulations in therapeutic areas. The main the main objective of the project was to develop a new data warehouse and to move the data from an existing database. All the preprocessing is done in the Informatica PowerCenter which involves the data stream undergoing a complex transformation before the individual pieces of data are transferred to the data warehouse in a structured manner.

**Responsibilities:**

* Extensively involved in the requirement analysis, development, writing test cases and unit testing.
* Resolving design/development issues and interacting with **infrastructure support** partners (DBA, Sys Admins).
* Created Informatica Mappings to load data using transformations like **Source Qualifier, Sorter, Aggregator, Expression, Joiner, Normalizer, Union, Connected and Unconnected lookups, Filters, Sequence, Router and Update Strategy.**
* Extensively used ETL and Informatica to load data from **Oracle, MS SQL Server, flat files** into the target Oracle 11g database.
* Used Informatica features to implement **Type I & II** changes in slowly changing dimension **(SCD)** tables. Created and ran workflows and Worklets using Workflow Manager to load the data into the Target Database.
* Involved in fixing invalid Mappings, testing of **Stored Procedures** and Testing of Informatica Sessions, Batches and the Target Data.
* Planning and designing the system, writing queries in **SQL** and **PL/SQL**.
* Maintained warehouse metadata, naming standards and warehouse standards for future application development Parsing **high-level design** spec to simple ETL coding and mapping standards.
* Responsible for **Data Modeling** and populating the business rules using mappings into the Repository for Meta Data management.
* Developed **UNIX shell scripts** to automate different tasks involved as part of loading process and scheduling and performed Unit Testing on the mappings.
* Used Erwin data modeling tool in developing the **physical/logical data models**.
* Involved in Data loading to Oracle based tables and Extracting functions using **SQL\*Loader**.
* Extensively worked in the performance tuning of the programs, ETL Procedures and processes
* Resolved long standing problem areas on this project.

**Environment:** Informatica Power Center 8.6.1, Oracle 10g/9i, Power Exchange, DB2, SQL, PL/SQL, XML, TOAD, MS Access, Windows XP, UNIX. Autosys.

**Client : Pro-Active Techno Labs, India Jun 2007 – July 2008**

**Role : Informatica ETL Developer**

Pro-Active Techno Labs is a software consultancy based out of India. Designed and developed a Data Mart to support Finance and Accounting departments daily and monthly reporting needs. Tasks included conducting requirement analysis, design, development of a dimensional data model (star schema); the creation of a database in both Oracle9i and the development of ETL process (PL/SQL, Informatica).

**Responsibilities**:

* Involved in gathering end user requirements, User/System documentation, user training and **testing** developed reports for final deployment.
* Business analysis user requirements Financial and Benefit Enrollment reports.
* Responsible to collate appropriate data for use in databases and conduct related research.
* Generated reports using IT / database systems and assist in their analysis.
* Involved in the designing and Building of Universes, Classes and objects for investment management system.
* Excellent use of graphs and charts with named groups and formula fields.
* Designed and developed **Crystal Reports.**
* Created various dashboard reports to measure the performance.
* Responsibilities included imparting training to the end-users and doing the knowledge transfer for reporting needs.
* Analyzed the existing Crystal reports and tuned for faster execution. Troubleshoot existing reports to eliminate data discrepancies and respond to end-user inquiries.
* Wrote **SQL** and **PL/SQL** and stored them in Crystal Query and attached them to the Crystal Reports using the Proper **ODBC connections**.
* Responsibilities include scheduling of the reports using Info Desktop for scheduled deployment and have an exposure to Crystal Info Administration.

**Environment**: Informatica Power Center 7.1, 8.1.1, SQL Server 2005, Crystal Reports, ER-WIN, Windows 2000.