###### Kumar

###### SR Informatica/IDQ/ETL Consultant

Phone: 254-307-2143

Email: etlidqexpert@gmail.com

10 years of IT experience in Data Analysis, Design, coding and **Informatica/MDM/Data Quality** (IDQ) and Development of Data Warehousing implementations across Retail, Financial, Pharmaceutical, Health care, Insurance and Mortgage Industries.

Practical understanding of the **Data modeling** (Dimensional & Relational) concepts like Star-

Schema Modeling, Snowflakes Modeling, fact and dimension tables, Pivot Tables, modeling of data at all the three levels: view, logical & physical.

**Informatica**: 8+ years of Data Warehousing experience using Informatica Power Center9.6.1/ 9.1.0/ 8.6.1/ […] Power Mart […] Warehouse Designer, ETL, Data mart Siebel […] Siebel Warehouse 6.3, Siebel EIM, OLAP, OLTP, Autosys, Control M, Sybase. Expert-level mastery in designing and developing complex mappings to extract data from diverse sources including flat files (fixed width, delimited), XML, RDBMS tables, legacy system files.

**Data Analysis**: 4 years of strong experience on Data Design/Analysis, Business Analysis, User Requirement Gathering, User Requirement Analysis, Gap Analysis, Data Cleansing, Data Transformations, Data Relationships, Source Systems Analysis and Reporting Analysis

**Data Modeling**: 4 years of Dimensional Data Modeling experience on Data modeling, Erwin […] Dimensional Modeling, Ralph Kimball Approach, Star/Snowflake Modeling, Data mart, OLAP, FACT & Dimensions tables, Physical & Logical data modeling and Oracle Designer.

WORK EXPERIENCE

Sr Informatica Consultant

*Fannie Mae - Herndon, VA - Feb 2014 to Present*

Fannie Mae is a leading source of residential mortgage credit in the U.S. secondary market, Fannie Mae is supporting today's housing recovery and helping to build a sustainable housing finance system. We exist to provide reliable, large-scale access to affordable mortgage credit across the country at all times so people can buy, refinance, or rent home.

Responsibilities:

* Involved in requirements analysis and Architect role with business users for design of tables in the new Warehouse.
* Expert in **Data Modeling Logical, Physical, Dimensional Modeling**
* Performed Loan Data validation and Exception reports validation
* Performed Address cleanses and Address Matches using IDQ.
* Created Loan Alignments process and Created Payloads like Loan characteristics, Account Balance, Cost Balance.
* Worked on Conversion project for various sources like SFO, SIR, and PLAE etc.
* Created **Web service to call mapplet for Address cleanse in IDQ using Address doctor.**
* Created cleanse functions in IDQ based on customer need
* Integrated **IDQ mappings with Informatica power center** for scheduling the Jobs
* Created IDD/MDM configuration as customer Need.
* Involved in Trouble shooting & Remediation for support Issues.
* Created MDM data for Product customer and supplier domains and performed Match/merge.
* Created Match/merge rules for both Manual and Auto Match/merge
* Involved in building Enterprise wide Logical and Physical models using Erwin
* Designed ETL functional specifications and converted them into technical specifications.
* Extensively used ETL and Informatica **MDM/IDQ to load data from Oracle, Excel spreadsheet, flat files, XML** and Mainframe/COBOL to the target Per Oracle database.
* Performed MDM Hub configuration and Match /Merge rules for Product, Customer Domain data.
* Created Address validation rules using IDQ and performed Match process for address duplication.
* Created **MDM IDD configuration** to perform Match/merge for Business users.
* Experience in dimensional and relational database design
* Used Erwin tool for physical and logical data modeling.
* Responsible for Power Center and Power Exchange installations, configuring Power Center domain, nodes and integration services.
* Extensively involved in Data Extraction from Mainframe source (VSAM), Oracle using Power Exchange when there was change in the source data sets.
* Used SQL overrides in source qualifiers with appropriate schema names for extracting only the required rows for optimal performance. Implemented complex expressions in expression transformations. Tested the queries thoroughly for integrity and identifying data errors.
* Extensively worked on Informatica power center tools -Designer, Workflow Manager, and Workflow Monitor & Repository Manager.
* Extensively worked on Informatica Designer Components - Source Analyzer, Warehouse Designer, Transformation Developer, Mapplet and Mapping Designer.
* Created reusable transformations and Mapplets by using Lookup, Aggregator, Normalizer, Update strategy, Expression, Joiner, Rank, Router, Filter, and Sequence Generator etc. in the Transformation Developer, and Mapplet Designer, respectively
* Extensively worked on the performance tuning of the Mappings as well as the tuning of the sessions.
* Worked with pre and post sessions, and extracted data from Transaction System into Staging Area. Knowledge of Identifying Facts and Dimensions tables.
* Created target definition in oracle which was the target database.
* Responsible for maintaining repository backups and their restorations.
* Lead the **Performance Tuning of Informatica Mappings, Sessions and workflow**.Developed unit test cases and did unit testing for all the developed mappings.
* **Lead the development team** during the development process, this include provide help with the tasks and transfer knowledge of Informatica.

***Environment***: *Informatica Power Center 9.6.1, MDM/IDQ, Oracle 11g, PL/SQL, Teradata, Netezza, Erwin 5.1, Business Objects xi, TOAD 9.6.1, UNIX AIX 5L version 5.1, Windows XP Professional/2002, UNIX, Windows XP/2000, Autosys.*

Sr ETL Informatica Developer

*O&M - Appstree IT Services, Hyderabad & Mechanicsville, VA - June 2010 to Feb 2014*

O&M is a supply-chain solutions company and the nation's leading distributor of name-brand medical and surgical supplies and serves more than 4, 000 acute-care hospital customers nationwide. The aim of this project is to design the OBIEE data warehouse and populate the data using Informatica Power centre from Oracle database and Data from file, and making report in Business Objects.

Responsibilities:

* Analyzed business requirements and worked closely with various application teams and business teams to develop **ETL** procedures that are consistent across all applications and system.
* Wrote Informatica **ETL design documents**, establish ETL coding standards and **perform Informatica mapping reviews**.
* Extensively worked on **Power Center Client Tools like Power center Designer, Workflow Manager, and Workflow Monitor, Power Connect.**
* Imported data from Relational databases, **Legacy Systems, XML files** and Flat files to Oracle database using **Informatica Power Connect**.
* Analyzed the source data coming from different sources and worked on developing ETL mappings/**mapplets**.
* Used **Teradata SQL** **Assistant** to work on the database.
* Made use of various Designer transformations like Source Qualifier, Connected and Unconnected Lookups, Expression, **Filter**, **Router**, Sorter, Aggregator, Joiner, **Normalizer**, **Rank**, Sequence generator, Union and Update Strategy transformations.
* Loaded data into SAP 5.0 using IDOC'S, LSMW, BAPI and Function Modules.
* Created **Parameter** files and validation **scripts**, Created **Reusable and Non-Reusable** command task in Workflow Manager.
* Created **Sessions**, **command task, reusable worklets** and **workflows** in Workflow Manager.
* Designed multi-dimensional **Star schema**, **Generated the database scripts**, E-R diagrams using **ERWIN**.
* Created **UNIX KSH shell scripts** to kick off Informatica workflow in **batch mode**.
* Invoked Informatica using “**pmcmd**” utility from the UNIX script.

***Environment****: Informatica Power Center 8.6.1/9.1.0, MDM/IDQ, Oracle 10g/11g, PL/SQL Erwin 5.1, Business Objects xi, TOAD 9.6.1, UNIX AIX 5L version 5.1, Windows XP Professional/2002, UNIX, Windows XP/2000.*

ETL - Informatica Developer

*AMEX - Appstree IT Services, Hyderabad - September 2009 to June 2010*

American Express Company (American Express), incorporated in 1965, is a global payments and travel company. The Company's principal products and services are charge and credit payment card products, and travel-related services offered to consumers and businesses around the world. The Company's Global Consumer Group and Global Business-to-Business Group provide a variety of products and services worldwide. The Global Consumer Group offers a range of products and services, including charge and lending (credit) card products for consumers and small businesses worldwide; consumer travel services, and stored value products, such as Travelers Cheques and pre-paid products. The Global Business-to-Business Group provides, among other products and services, business travel, corporate cards, and other expense management products and services.

Responsibilities:

* Analyzed the source data, Coordinated with Data Warehouse team in developing Relational Model. Designed and developed logical and physical models to store data retrieved from other sources including legacy systems.
* Extensively used Informatica Power Center 8.1.1 to extract data from various sources and l**oad in to staging database.**
* Interacted with business representatives for Need Analysis and to define **Business and Functional Specifications. Participated in the Design team and user requirement gathering.**
* Created mappings for various sources like XML, flat files Oracle and Transformations **XML Source Qualifier, XMLparser, xml generator, Normalizers, JMS Queuing, MQ Application, Java transformation, stored procedures etc.**
* Created the Shell scripts for Running the jobs and Downloading the Files and Transferring the Processed files to SFT Server.
* Involved in **Trouble shooting & Remediation for support Issues**
* Used Power Exchange interface to get the data from mainframe files.
* Performed source data analysis. Primary data sources were from Oracle & SQL server 2005.
* Involved in using **Erwin** for physical and logical data modeling.
* Developed various Mappings with the collection of all Sources, Targets, and Transformations.
* Extensively used transformations such as Source Qualifier, Aggregator, Expression, Lookup, Router, Filter, Update Strategy, Joiner, Transaction Control and Stored Procedure.
* Extensively used ETL to load data from multiple sources to Staging area (Oracle 10g) using Informatica Power Center 8.1.1
* Created Informatica mappings and Mapplets and also tuned them for Optimum performance, Dependencies and Batch Design.
* Created reports from OLAP, sub reports, bar charts and **matrix reports using SSRS.**
* Worked with pre and post sessions, and extracted data from Transaction System into Staging Area. Knowledge of Identifying Facts and Dimensions tables.
* Participated in all facets of the software development cycle including providing input on requirement specifications, high level design documents, and user's guides.
* Tuned sources, targets, mappings and sessions to improve the performance of data load.
* Implemented Slowly Changing Dimension methodology for accessing the full history.
* Created Several Informatica Mappings to populate the data into dimensions and fact tables.
* Worked cooperatively with the team members to identify and resolve various issues relating to Informatica and other database related issues.
* Designing mapping templates to specify high level approach.
* Migrated repository objects, services and scripts from development environment to production environment. Extensive experience in troubleshooting and solving migration issues and production issues.
* Created Cardinalities, Contexts, Joins and Aliases for resolving Loops and checked the Integrity of the Universes.
* Created Universe business objects and reports using drill down, slice and dice reports
* **Involved in Unit testing and documentation**.
* ***Environment*** *: Informatica 8.6.1, Oracle 10g, PL/SQL, TOAD 8.6.1, ERWIN, SQL Server 2005, Business Objects XIR2, Windows NT, UNIX Shell Scripting.*
* Sr ETL Developer

*GE Treasury - HCL Technologies LTD, Bangalore - May 2008 to September 2009*

GE Corporate Treasury performs funding, cash management and foreign exchange for the company worldwide. GE Corporate Treasury services over 400 business units within the GE Family of companies, spanning 20000+ bank accounts with nearly 200 banks around the globe. Every day, GE corporate Treasury manages billions of dollars-money that must be collected from customers and paid to vendors around the globe in over a dozen foreign currencies.

Responsibilities:

* Involved in system study, analyze the requirements by **meeting the client** and designing the complete system.
* Involved in **designing technical specifications** for building Data Warehouse.
* Involved in project cycle plan for the data warehouse, analyzing the source data, deciding the exact data extraction, transformation, loading strategy & Dimensional modeling. Backup & recovery.
* Creation of shortcuts for source, targets and created transformations according to business logic.
* Worked in **Development, Testing, Pre-production and Production Servers.**
* Worked on Power Center Designer client tools like Source Analyzer, Warehouse Designer, Mapping Designer and Mapplet Designer.
* Created complex reusable transformations and Mapplets using Lookup, Aggregator, Normalizer, Update strategy, Expression, Joiner, Rank, Router, Filter, and Sequence Generator etc. in the Transformation Developer, and Mapplet Designer, respectively.
* Created **reusable Sessions and Commands in the Workflow Manager.**
* Created and implemented variables and parameters in the Mapping Designer.
* Created reusable Worklets in Worklet Designer and set up Workflows in the Workflow
* Used unconnected lookup for populating date-time entered field in the target tables.
* Developed Mapplets, mappings and configured sessions.
* Extensively used Informatica client tools - Source Analyzer, Warehouse designer, Mapping designer, Mapplet
* Designer, Transformation Developer, Informatica Repository Manager and Workflow Manager.
* Worked closely with reporting team and generated reports using Business Objects 6.2.
* Analyzed system **requirement specifications, coding the routines, developed test plans, test cases to cover overall quality assurance testing.**
* Designed and developed unit test cases for system integration testing.
* Involved with the users in the creation of test scripts for the user acceptance testing.

***Environment****: Informatica Power Center 7.1 (Meta-Data Repository, Designer, Server Manager), DB2 UDB, Oracle9i/8i, Teradata, SQL, PL/SQL, Erwin, SQL\*Loader, UNIX Shell Script, IBM AIX 4.3.3, Win 2000/NT, Business Objects 6.2*

Data warehouse Developer

*CVS Pharmacy - HCL Technologies LTD, Bangalore - October 2006 to May 2008*

CVS Pharmacy is the largest drug stores retailer in the United States, with nearly 6500 stores. CVS Pharmacy continues to innovate new computer systems for filling prescriptions, intercom Plus, links all stores into a single Network and Represents how advanced technology serves customers needs better than any other Pharmacy resources. CVS Pharmacy is now focusing on restructuring the Retail, Merchandising & Corporate Systems in their organization.

Responsibilities:

* End-to-end ETL development of the Data Mart. **Data Quality Analysis to determine cleansing requirements. Designed and developed Informatica mappings for data loads**
* Responsible for the Dimensional Data Modeling and populating the business rules using mappings into the Repository for **Meta Data management**. Understand the business needs and implement the same into a functional database design
* Extensively used ETL and Informatica to load data from MS SQL Server, Excel spreadsheet, flat files into the target Oracle 9i database.
* Implemented various Transformations like Joiner, Aggregate, Expression, Lookup, Filter, Update Strategy, Stored Procedures, and Router etc.
* Worked on Informatica Power Center tool - Source Analyzer, Data warehousing designer, Mapping & Mapplet Designer and Transformation Designer. Development of Informatica mappings and also in tuning of mappings for better performance.
* Loading the Data from the tables into the OLAP application and further aggregate to higher levels for analysis.
* Developed **PL/SQL procedures/packages to kickoff the SQL Loader control files/procedures to load the data into Oracle 9i. Tuning Informatica Mappings and Sessions for optimum performance**
* Used Informatica features to implement **Type I & II changes** in slowly changing dimension tables. Created and ran workflows and Worklets using Workflow Manager to load the data into the Target Database.
* Used PMCMD commands in non-windows environments. **Optimized/Tuned mappings** for better performance and efficiency. Performance tuning of SQL Queries, Sources, Targets and sessions.
* Responsible for ETL process under development, test and production environments.
* Maintained warehouse metadata, naming standards and warehouse standards for future application development Parsing high-level design spec to simple ETL coding and mapping standards
* Maintain Development, Test and Production mapping migration Using Repository Manager. Also used Repository Manager to maintain the metadata, Security and Reporting. Tuning the Informatica Mappings for optimum performance. Used windows Scripting and Scheduled pmcmd to interact with Informatica Server from command mode. Modeling and populating the business rules using mappings into the Repository for **Meta Data management**

***Environment:*** *Informatica Power Center 7.1/6.2, Informatica Power Connect, OLAP, Teradata V2R5, Oracle 9i, MS SQL Server 7.0/2000, IBM DB2/400, IBM AS/400, Sybase, MS Excel 97, Flat files, PL/SQL, SQL, SQL\*Loader, Erwin 3.5, Toad 7.0, Transact-SQL, Windows 2000, HP-UX, Unix Shell Scripting and Cognos.*