Soumya

**Sr. ETL Informatica Developer**

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**Experience Summary:**

* 8+ years of IT experience in Planning, Analysis, Design, Implementation and Maintenance in different domains like Insurance, Health care, Banking, Financial with a strong conceptual background in Database development and Data warehousing.
* Highly proficient in Development, Implementation, Administration and Support of ETL processes for Large-scale Data warehouses by Using **Informatica Power Center 9.x/8.x/7.x**.
* Power Exchange using Designer, Repository Manager, Repository Server, and Workflow Manager & Workflow Monitor.
* Extensive experience in extraction, transformation and loading of data directly from different heterogeneous source systems like Flat files, XML Files, XML Canonicals, COBOL files, VSAM, IBM DB2 UDB, Excel, **Oracle 11g/10g/9i/8i**, **Sybase**, **MS SQL Server**, **Teradata** and **Netezza**.
* Experience in **UNIX** working environment, writing UNIX shell scripts for Informatica pre-post session operations, SQL Scripts for Development, Automation of ETL process, error handling and reporting, Windows Power shell scripting for writing SQL Server stored procedures and connecting stored procedures to Datastage
* Experience in optimizing the Mappings and implementing the complex business rules by creating re-usable transformations, Mapplets, SQL scripts and triggers and PL/SQL stored procedures
* Prepared, processed and analyzed clinical data required for analysis of clinical trials for Phase I and Phase II studies with **SAS** programming
* Involved in strong **Business Analysis** experience on Data Analysis, User Requirement Gathering, User Requirement Analysis, Business Intelligence (BI), EDI-B2B, Data Profiling, Data Transformations, Data Relationships, Source Systems Analysis and Reporting Analysis.
* Strong conceptual skills in Data Warehousing Concepts like Ralph Kimball Methodology, Bill Inmon Methodology, Star Schema and Snowflakes Schema methodologies used in relational, dimensional modeling and multidimensional modeling using Erwin, Data ProfilingHYPERLINK "file:///F:/resumes/finalized/My%252520Documents/Downloads/About%252520myself.doc" and HYPERLINK "file:///F:/resumes/finalized/My%252520Documents/Downloads/About%252520myself.doc"Data cleansing.
* Experience with industry standard methodologies like RUP, **Waterfall**, **Agile**, and **Scrum** methodology within the Software Development Life Cycle (**SDLC**).
* Good knowledge in interacting with **Informatica Data Explorer** (IDE) and **Infromatica Data Quality** (IDQ) for the data management and data cleansing activities.
* Experience in Creating and maintained Database Objects like Tables, Views, Materialized views, Indexes, Constraints, Sequence, Table Partitions, Synonyms and Database Link.
* Hands on work Experience in **Greenplum** Database.
* Hands on work Experience in Various **GreenPlum** Postgresql and pl/sql, External Tables, Distribution, Vacuuming and Table Partition etc.
* Expertise in working with various operational sources like Greenplum, SQL Server, DB2, Teradata, Oracle, Flat files, XML.
* Experience in Oracle database **Performance Tuning** of sources, targets, mappings, transformations and sessions and extensive experience in SQL \* Loader Imports/Exports.
* Experience in using scheduling tools Active Batch V9, TWS (Tivoli Job Scheduler), **AutoSys** to automate running of Informatica Workflows on a daily/ weekly/ Quarterly Batch Jobs.
* Extensively worked with **Teradata** utilities like **BTEQ, Fast Export, Fast Load, Multi Load** to export and load data to/from different source systems including flat files.
* Experience in **Code Migration** from Development Environment to QA Environment using Deployment Groups, Code Migration Documents in CR through Starteam
* Excellent analytical and logical programming skills with a good understanding at the conceptual level and possess excellent presentation, interpersonal and communication skills with a strong desire to achieve specified goals.

**Technical Skills:**

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| ETL | Informatica Power Center 9.x,8.x/7.x/6.x, IDQ, OLAP, OLTP, Informatica Power Connect for DB2, Ab Initio, Metadata Reporter, Power Exchange 8.x, SQL\*Plus, Oracle Warehouse Builder, Data Integrator, IBM DB2, Toad, Putty, SSIS 2005, DM Loader, Active Batch V9, Hadoop, AbInitio |
| DATA MODELLING | Dimensional Data Modeling, Relational (OLAP) data modeling, Star Schema, Snow-Flake Modeling, FACT and Dimensions Tables, Physical and Logical Data Modeling, Erwin 7.1/4. |
| DATABASES | Oracle 11g/10g/9i/11i, DB2, SQL server 7.0/2000/2005/2008/2012, MS Access 2000/2005, Teradata, Greenplum, Netezza |
| PROGRAMMING | C, C++, SQL, HTML, UNIX Scripting, Java, SAS/BASE, SAS/MACROS |
| REPORTING TOOLS | Business Objects (BO) with CISCO, Crystal Report |
| OPERATING SYSTEMS | Windows 98/NT/2000/XP/7, Linux, MS-DOS |
| APPLICATIONS | MS Office, MS Project, Toad 9.2/8.6, Oracle PL/SQL Developer, SQL Assistant |
| MANAGEMENT TOOLS | MS-Office 2007, MS Project |
| Web Technologies | HTML, XML, DHTML, PHP |

**Professional Experience:**

**HPE, Topeka-KS March 2016-Till date**

**Senior ETL Data Warehouse Developer**

**Responsibilities:**

* Extensively used Informatica Power Center 9.6 to extract data from various sources and load in to staging and target database
* Involved in migrating the data from flat files, SQL Server, XML files to Oracle target database
* Involved in complete SDLC phase in collecting and documenting requirements. Prepared technical design/specifications for data Extraction, Transformation and Loading
* Used Informatica Power Center to create mappings for various claims system that involved implementation of Business Logic to load data from multiple Sources into Operational Data Store (Staging Area) and then load into Data Warehouse
* Extensively used Mapping Variables, Mapping Parameters, Workflow variables and Session Parameters
* Used Type 1 SCD and Type 2 SCD mappings to update slowly changing Dimension tables
* Performed Informatica code migration from development to QA, QA to production systems
* Created UNIX scripts to automate the activities like start, stop, and abort the Informatica workflows by using PMCMD command in it.
* Creation of Greenplum tables as per the technical requirements.
* Used Pushdown Optimization technique to push the data to Source and target to increase session performance
* Used various Informatica Error handling techniques to debug failed session
* Implemented standards for naming Conventions, Mapping Documents, Technical Documents, and Migration form.
* Utilized Attunity tool to replicate oracle and SQL server data to Greenplum tables.
* Experienced in delivering the Technical process flow for different Line of Business. Gathered, analyzed & documented business requirements
* Working on transformations such as Lookup, Aggregator, Expression, Joiner, Filter, Rank, Sorter, Router, Sequence Generator, XML Parser transformation etc
* Extensively worked on developing Informatica Mapplets, Mappings, Sessions, Worklets and Workflows for data loading
* Handled Production Support for the monitoring of daily, weekly and Monthly jobs
* Worked with the testers closely in determining both medium and high severity defects, that would potentially affect the downstream systems before the release of the project, and fixed the defects before moving the jobs into production

**Environment:**

Informatica Power Center 9.6, Oracle 11g, Flat files, TOAD, SQL/PLSQL, Greenplum, UNIX, Unix Sell Scripting, Windows XP

**Aim Specialty Health, Deerfield, IL Sep 2014-March 2016**

**Senior ETL Data Warehouse Developer**

**Responsibilities:**

* Create Oracle/Netezza views, tables as facts or dimensions based on requirement
* Develop or make performance tuning on Informatica Mappings/ Mapplets / session/ Workflows/ Worklets for optimum performance
* Unit Testing, Regression Testing & System Integration Testing
* Create Batch jobs through Active Batch tools for auto-run on daily/weekly/ Quarterly basis
* Prepare Technical and Implementation Document
* Check for appropriate stages of the change record and deploy components like Informatica SHELL's and other objects, SQL Scripts from Databases like SQL Server, Netezza, & Oracle, UNIX shell scripts
* Developed PL/SQL procedures/packages to load the data into Oracle 11g
* Streamlined the Change Management process through standardized documents to meet the stakeholder’s expectations
* Have conducted Change Management awareness sessions to various Development Teams, Testing Team, Architect's to achieve zero defect migrations with minimal effort
* Coordinate with Offshore Team in each aspects by following DAVITA Standard Change Management process with handy documents for ease of reference and for smoother migrations/ implementations/ deployments from environment-to-environment
* Extracting data from mainframes using file aid utility to compare with data coming from Greenplum database.
* Design and develop data loading programs to support real time data loading to Netezza Data Marts
* Worked on DB2 and netezza migration using NZload and data stage mappings in Staging and Audit layer through ZEAL/ ZEMA
* Used Hadoop (HDFS) to provides high-throughput access to application data for processing huge data set
* Migrated the codes from Dev to QA, Dev to Test, Test to Prod environment and wrote up the Team Based Development technical documents to the smooth transfer of the project.
* Prepared ETL technical Mapping documents along with test cases for each Mapping for future developments to maintain SDLC. Developed mappings to load into staging tables and then to Dimensions and Facts
* Designed the automation process of Sessions, Workflows, scheduled the Workflows, created Worklets (command, email, assignment, control, event wait/raise, conditional flows, etc.) and configured them according to business logics & requirements to load data from different Sources to Target
* One core responsibility to coordinate with offshore team for Technical implementation of BRD, Design data modeling and Mapping, integrate work procedure and migrating of the code documents

**Environment:**

Power Center Informatica V9.1.0, SQL Server 2008, OraClient11g\_home1, Netezza, Tera Data, UNIX Shell Scripting (Putty), PL/SQL, Active Batch V9 (Scheduling Jobs), Service Now, DM Loader, Greenplum, HADOOP

**Truven Health Analytics, Greenwood Village, CO June 2013-Sep 2014**

**ETL Developer**

**Responsibilities:**

* Extracted data from various heterogeneous sources like Oracle, SQL Server, DB2, and MS Access Flat files
* Prepared data marts on policy data, policy coverage, claims data, client data and risk codes.
* Developed Naming Standards, Best Practices for ETL development.
* B2B Data Exchange, B2B Data Transformation and Managed File Transfer tools
* Created backup and restore procedures for Power Center and B2B Data Exchange repositories
* Extensively used Informatica Power Center 9.1 to extract data from various sources, which included flat files, XML Files, DB2, Oracle tables, SQL Server, MS-Access.
* Worked extensively on Informatica transformations like Source Qualifier, Expression, Filter, Router, Aggregator, Lookup, Update Strategy, Stored Procedure, Sequence generator, Joiner, Union, Normalizer.
* Created Mapplet, Parameter Files wherever necessary to facilitate reusability of business logic.
* Involved in developing the Deployment Strategy for Deployment of Source Code between the Various Repositories (Dev, QA, Prod).
* Created Reusable Transformations, Worklets, and made use of the Shared Folder Concept using shortcuts wherever possible to avoid redundancy.
* Followed Informatica recommended Standards and Best Practices to improve Performance of ETL mappings.
* Developed override SQL statements in Source Qualifier and Lookups to suit extraction of desired data from desired region.
* Used SSIS to take data from a flat file, reformats the data, and then inserts the reformatted data into a fact table.
* Developed Test cases (UNIT test, Alpha Test) for Unit Testing of the Mappings, and was involved in the Integration Testing.
* Full lifecycle oversight of code fixes and monthly deployments, including requirements gathering, design, coding, testing, and deployment.
* Developed UNIX Shell scripts for data cleaning and loading process.
* Analyzed and remediated the existing Informatica mapping logic for load processes and system standards.
* Implemented Error Processing for Informatica Mappings and Workflows.
* Used TOAD to develop and debug oracle PL/SQL Functions, Procedures and Packages.
* Monitored and improved query performance by creating views, indexes, hints and correlated sub queries.
* Wrote Unix Shell Scripts to perform several operations on text files.

**Environment:**

Informatica Power Center 9.1 Informatica Power Exchange, SSIS 2005, Data Explorer, Data Quality, PL/SQL, Oracle 10g, SQL Server 2008 R2, Sybase, Cobol, TOAD for SQL Server, Flat Files, UNIX Shell Scripting, Autosys.

**Syntel, Hyderabad-India Jan 2011 – June 2013**

**Informatica Developer**

**Responsibilities:**

* Analyzing the source data coming from different sources and working with business users and developers to develop the Model.
* Involved in Dimensional modeling to Design and develop STAR Schema, Using ER-win to design Fact and Dimension Tables.
* Extracted, Transformed and Loaded OLTP data into the Staging area and Data Warehouse using Informatica mappings and complex transformations (Aggregator, Joiner, Lookup (Connected & Unconnected), Source Qualifier, Filter, Update Strategy, Stored Procedure, Router, and Expression).
* Developed number of complex Informatica Mappings, Mapplets and Reusable Transformations for different types of tests in Customer information, Monthly and Yearly Loading of Data.
* Using Workflow Manager for Workflow and Session Management, database connection management and Scheduling of jobs to be run in the batch process.
* Fixing invalid Mappings, testing of Stored Procedures and Functions, Unit and Integration Testing of Informatica Sessions, Batches and Target Data.
* Extracted data from various sources like IMS Data Flat Files and Oracle.
* Extensively Used Environment SQL commands in workflows prior to extracting the data in the ETL tool.
* Wrote complex SQL scripts to avoid Informatica joiners and Look-ups to improve the performance as the volume of the data was heavy.
* Created Sessions, reusable Worklets and Batches in Workflow Manager and Scheduled the batches and sessions at specified frequency.
* Extensively worked on SAS/BASE, SAS/SQL, SAS/MACRO and used Statistical procedures like PROC FREQ, PROC MEANS, SQL
* Imported and Exported data files to and from SAS using PROC Import and PROC Export and various delimited text based data files such as .TXT (tab delimited) and .CSV (comma delimited) files into SAS datasets for analysis. Used SQL \* Loader for Bulk loading.
* Wrote UNIX Shell Scripting for Informatica Pre-Session, Post-Session Scripts.
* Used stored procedures to create a standard Time dimension, drop and create indexes before and after loading data into the targets.
* Removed bottlenecks at source level, transformation level, and target level for the optimum usage of sources, transformations and target loads.
* Captured data error records corrected and loaded into target system.
* Created Mappings, Mapplets and Transformations, which remove any duplicate records in source.
* Implemented efficient and effective performance tuning procedures, Performed benchmarking, and these sessions were used to set a baseline to measure improvements against.
* Tuned Source System and Target System based on performance details, when source and target were optimized, sessions were run again to determine the impact of changes.
* Used Calculations, Variables, Break points, Drill down, Slice and Dice and Alerts for creating Business Objects reports with Cisco.

**Environment:**

Informatica Power Center 7.1.4, Oracle 9i, SAS/BASE, SAS/STAT, SAS/MACROS, Business Objects XI r2, MS SQL Server 2005, DB2, IMS Rx Data, SQL, PL/SQL, Erwin 4x, AIX, Unix Shell Scripts, Toad

**HRD Services, Hyderabad-India June2009-Jan 2011**

**BI Dev Support (Informatica)**

**Responsibilities:**

* Analyzed and Reviewed the Business Specification Documents
* Created Monthly mappings like Benefit, Benefit Money, Commission Trans Financial Trans, Loan Trans using Source Qualifier, Expression, Router, Lookup, Update Strategy, and, Sequence Generator Transformations.
* Created mappings like Policy Money, Benefit, Policy, Policy Producer Role, and Policy Party Role.
* Extensively used almost all the transformations of Informatica including lookups, Update Strategy and others.
* Developed various slowly changing dimensional mappings per the data mart schemas.
* Developed extraction mappings to load data from Source systems to ODS to dimensions.
* Developed Complex mappings in Informatica to load the data from various sources using different transformations like Custom, Union, Source Qualifier, Lookup (connected and unconnected), Expression, Aggregate, Update Strategy, Sequence Generator, Joiner, Filter, Update Strategy, Rank and Router transformations. Used debugger to test the mapping and fixed the bugs.
* Developed Mapplets using corresponding Source and Transformations.
* Executed sessions, sequential and concurrent batches for proper execution of mappings and worked on workflow manager.
* Design source qualifier from File, Relational Sources. Assisted in Migrating Repository.
* Designed and Developed the Informatica workflows/sessions to extract, transform and load the data into Target.
* Performed physical and logical Data modeling using Erwin.
* Developed Informatica Mappings/Sessions to populate the Data Warehouse and Data Mart.
* Prepared the environment for Testing. Prepared Documentation for Production Support.
* Used AutoSys for scheduling the Jobs. Responsible for defect tracking in ETL. Contact point for defects in ETL team.

**Environment:**

Informatica Power Center 7.1, Designer, Repository Manager, Repository Server Administration Console, AutoSys 4.0, Business Objects 6.0, Erwin 3.5, TOAD 7.0, Oracle 8i, UDB DB2, PL/SQL, UNIX AIX 4.2, Windows XP/2000.