**SOWMYA CHOWDARY**

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##### PROFESSIONAL SUMMARY:

* **7+ years** of extensive hands-on experience in the field of **Data Warehousing, ETL Integration**, Database development and Business Intelligence with industry exposure in Retail Marketing and Sales, Health Care, Insurance, Credit card Banking, etc.
* Around 6+ Years of extensive experience in **ETL** process using Informatica **PowerCenter 9.1, 8.6, 8.5, 7.1/6.X.**
* Experience in developing complex Mapplets, Worklets and re-usable Tasks.
* Good exposure in **Informatica MDM** where data Cleansing ,De-duping and Address correction were performed
* Experience in implementing the complex business rules by creating re-usable transformations, mappings, workflows and **PL/SQL** stored procedures.
* Experience in using the Informatica command line utility pmcmd to schedule and control sessions and batches.
* Experience in web application design using open source **MVC, spring and Struts Frameworks**.
* Created Schemas (Star and Snow Flake) to fit reporting, query and business requirements.
* Designed and developed complexmappings, from varied transformation logic like Unconnected and Connected lookups, **Router, Filter, Expression, Aggregator, Joiner**, Update Strategy and more.
* Worked in Service Oriented Architecture (SOA) and familiar with Transact Oriented Data Warehouse where Data is updated and fetched in real-time.
* Strong knowledge and expertise in agile development methodologies.
* Experience in integration of various data sources like **Oracle, Teradata, Sybase, SQL Server, DB2, MS Access, Flat files, XML** and **COBOL** files.
* Expertise in PL/SQL in creating/maintaining database Stored Procedures, Functions, Packages, Triggers, Cursors and Indexes
* Expertise in Shell Scripting, **AWK, SED and XML**.
* Expertise in importing and integrating legacy system data to relational database systems.
* Strong leadership, excellent communication, analytical, design and development skills, good working experience with customers, end users and colleagues. Demonstrated ability to work in both individual and team environments.

**TECHNICAL SKILLS**

**ETL Tools:** Informatica Power Center (Designer, Workflow Manager, Workflow Monitor, Repository Manager, Talend, Power Exchange) 9.1,8.6/7.1/6.2/5.1, Data Stage 8.0.1/7.5.

**Modeling Tools:** Power Designer, Erwin 4.1.2/3.5

**BI Reporting:** Cognos 8.3/8.1, Cognos Reportnet 1.1 MR2, Framework Manager, Cognos Impromptu Administration 7.0, Business Objects XI R2/6.5/6.1b

**Additional Tools:** Autosys, TOAD, MS Office, Clear Quest, Clear Case

**Operating Systems:** UNIX, Windows NT/2000/XP, Sun Solaris 8.0

**Databases:** Oracle 10g/9i, Teradata, DB2, SQL Server and MS Access.

**Languages:** C, C++, SQL, PL/SQL, JAVA, JSP, ASP, COBOL, FORTRAN, PERL, KORN, Shell Scripting, HTML, XML, JavaScript, and VBScript.

**Messaging Tools:** MQ SERIES, TIBCO

**GUI:** HTML, XML and ASP

**PROFESSIONAL EXPERIENCE**

**L.L.Bean Inc, ME Nov 2013 – Till Date**

**Role: Sr. Informatica Developer**

L.L.Bean, Inc store is a. quality apparel, reliable outdoor equipment and expert advicein a specialty store environment. Project was to build a Business Intelligence Solutions Data Warehouse for multi-dimensional analysis and market analysis. Data Marts are designed for sales and financial analysis of products and production units. Data was extracted from various sources and transformed into Oracle data warehouse database using Informatica and various OLAP reports are developed using Hyperion.

**Responsibilities:**

* Involved in the requirement definition and analysis in support of **Data Warehouse** efforts.
* Developed ETL mappings, transformations using **Informatica Power Center**
* Extensively used Informatica client tools – Source Analyzer, Warehouse designer, **MappingDesigner**, Mapplet Designer, **Transformation** Developer, Informatica **Repository Manager** and Informatica **Workflow Manager**.
* Created ETL processes to extract data from Mainframe DB2 tables for loading into various oracle staging tables.
* Worked extensively on different types of transformations like source qualifier, **expression, Aggregator, Router, filter, update strategy, lookup, sorter, Union, Stored Procedure and sequence generator**.
* Worked on building **UNIX Shell scripts** to check and update the Teradata/Oracle tables and appending multiple CSV’S to a single CSV and used them in **Datastage** jobs.
* Implemented **Type 1** and **Type 2** Slowly changing dimensions.
* **SAP** provides the cost data in the form of flat files.Informatica is used to extract the data from SAP UNIX system and load it into the **Oracle staging database.**
* Created pre sql and post sql scripts which need to be run at Informatica level.
* Created, launched & scheduled **Workflows/sessions**. Involved in the **Performance Tuning** of Mappings and Sessions
* **Troubleshoot** connectivity problems. Looked up and read session, event and error logs for troubleshooting.
* Experienced in several facets of **MDM** implementations including Data Profiling, metadata acquisition and data migration.
* Modified reports and **Talend** ETL jobs based on the feedback from QA testers and Users in development and staging environments.
* **Hibernate** is used to persist the objects in the Database.
* Worked closely with end users to designing reports and dashboards, suggesting better ways of reporting in OBIEE so that the required information is visualized by end users.
* Documentation to describe program development, logic, coding, testing, changes and corrections.
* Created and ran **Talend** jobs to extract files from Oracle data source.
* Implemented extreme programming by using fast paced **Agile** methodology, involving in task completion, user stories, and iterations

### Provided support in administration of the Informatica repository and assisted in the design and architecture of multiple repositories to support multiple application development and QA environments.

* Created and scheduled jobs in **Autosys**.
* **Production support** Written 24/6.

**Environment:** Informatica Power Center 9.1,IBM WebSphere Information Server(DataStage Designer), Power Connect, Teradata, Oracle 10g, Flatfile, OBIEE, SQL, TOAD, Talend, UNIX scripting, Autosys, Windows XP Professional, Hyperion.

**Bayer Corporation, PA Oct 2012 – Nov 2013**

**Role: Sr., ETL Developer**

Bayer is a global enterprise with core competencies in the fields of health care, agriculture and high-tech polymer materials. Data was being extracted from source systems. . Oracle has been considered as main system .data is refined and loaded in staging initially. All the data was dumped into staging and later on as per the client requirement the data was transformed and loaded, it is checked if the client is eligible according to the requirements.  Every registry is compared for verification and eligibility criteria is decided, whether or not the client is eligible for the claim norms. Also, we need to check which claims are genuine and give a notice period for the claims which is not being profitable to the organization.

**Responsibilities:**

* Gathered ETL Requirements from Data Architects, Interacted with the Designers and Developers, Project Manager and SMEs to get a better understanding of the Business Processes.
* Worked with Business Users in for requirement gathering and generating right solutions for them.
* Implemented Informatica best practices like **Persistent cache, partitioning**etc. to boost performance.
* Defined and documented **ETL** requirements and leading the implementation of technology solutions to help the businesses achieve objectives and provided effective and responsive operational services/support for departments.
* Analyzed ongoing processes and mapped it to business requirements and proposed technical solutions to change or improve existing processes.
* Analyzed the **change data capture** (CDC) process for extract the data.
* Proposed Data model changes for building table structures for efficient load processing and co-ordinate with Data Architect & DBA
* Applied business rules using **Informatica** Data Quality (IDQ) tool to cleanse data.
* Worked closely with team members and QC team for finalizing ETL Specification document test scenarios.
* Worked extensively on different types of transformations like source qualifier, **expression, Aggregator, Router, filter, update strategy, lookup, sorter, Union, Stored Procedure and sequence generator**.
* Analysis of the source system to determine elements needed for ETL designs and did extensive data profiling for **ETL maps**.
* Involved in developing applications using Java, J2EE, EJB, Spring, JSP and Servlet
* Used OBIEE Add-Ins to insert, deploy, and analyze Reports in Excel and PowerPoint and also OBIEE Objects such as table views and chart views (BI Publisher).
* Designed High Level ETL strategy for Data Architects and Detail level design documentation for development team.
* Developed Informatica **Mappings** and **Workflows** for Data Integration.
* Organized the Workflows and **Sessions** for the **Initial** and **Incremental** Data load runs.
* Prepared the **Schedules** for the Initial Load runs and Incremental Load runs.
* Designed test cases for initial and Incremental Load testing.
* Worked on **Talend** to develop jobs and scheduled jobs in **Talend** integration suite. Extensively used the concepts of ETL to load data from flat files to Salesforce.
* **Performed tuning** and optimization of complex SQL queries using Teradata Explain. Created several custom tables, views and macros to support reporting and analytic requirements.

**Environment:** Informatica Power Center 9.1/8.6, Oracle 10g, TOAD, Talend, ERWIN, UNIX, TERADATA, SQL Server 2005, Control-M Scheduler, Putty.

**Wheels Inc, IL Feb 2011 – Oct 2012**

**Role: ETL Developer**

Data Management team is initiated to build the Central Data Store for the business intelligence reporting. The objective of this project is to integrate the tax professional details, training details, tax return filing details and external data that sent by various franchises and company stores in to central data repository and make available for reporting.

**Responsibilities:**

* Work performed includes requirements gathering, design overview, ETL specifications, data analysis/troubleshooting, implementation tasks, and general mentoring.
* Creation and management of the solution proposal, Macro and Micro designs, and deployment plans.

### Provided in-depth technical consultation to ensure development of efficient application systems by utilizing standard methodologies and best practices.

### Responsible for writing program specifications for developing mappings.

* Created Complex Informatica Mappings to implement complex business rules by using maplets, reusable transformations and mapping parameters.

### Design and Development of Mapping specifications, Physical Flow diagrams and Build documents.

* Developed reusable mappings to process real time files/admin systems extracts, error handling and notification process.
* Designed and developed ETL load strategies, update strategies, error processing, mapping dependencies, batch processing and balance control approaches.
* Developed mappings, workflows and schedules that reflect **ETL** methodology standards.
* Designed and implemented schemas for reference data, Change Data Capture, process control and audit balancing.
* Developed mappings/maplets, used dynamic parameter files.
* Used transformations like Normalizer, Lookup, Aggregator, Expression, Sequence Generator, Router, Filter, Joiner and Union Transformations.
* Created data checks and implemented error strategies using the Database Logging.
* Used Informatica version control to maintain the changes to the code.
* Created partitions to improve the Session Performance.
* Involved in code reviews to facilitate the right coding practices.
* Automated hourly and daily transaction reports using **Talend** open studio.

### Extensively involved in developing shell scripts, Perl scripts for loading the data and for automating the ETL process.

### Responsible for migrating projects between multiple environments (Dev, QA, UAT and Prod).

### Involved in production support.

### Environment:Informatica Power Center 8.1,Oracle 10g, SQL Server 2005, Erwin, Windows, UNIX, HP Quality Center, TalenD, Netezza, Metadata manager.

### Nokia, Irving, TX Aug 2009 – Feb 2011

**Role: Data warehouse Consultant**

Nokia is one of the major wireless companies in U.S.A and the foremost in providing G.S.M. phones in U.S. market. The company has huge volumes of data coming from different sources which were generated from multiple and cross platform applications. The Project involved design and development of data warehouse for the sales department.

### Responsibilities:

* Writing Oracle Stored Procedures, SQL scripts and calling them from Perl and shell scripts at pre and post session.
* Collection of data source information from all the legacy systems and existing data stores.
* Preparation of strategy for Data Conversion as per the business rules.
* Developed complex mappings using multiple sources and targets in different databases, flat files.
* Used various transformations like **unconnected lookup, connected lookup, aggregator, rank, joiner, stored procedure.**
* Developed **ETL interfaces** to **integrate master data** from **Oracle, SQL Server, DB2, Teradata, MySQL** and **Flat file** source systems into Oracle database.
* Applied **performance tuning** on targets, sources, mappings and sessions to improve system performance.
* New attributes/columns were introduced in the dimension tables by slowly changing dimensions.
* Used **Workflow Manager** to create worklets and workflows and **Workflow Monitor** to monitor the workflows.
* Developed PL/SQL stored procedures for pre and post session commands and used indicator files to run tasks in **workflows.**
* Created partitions for concurrent loading and processing of data.
* Used shortcuts to reuse objects without creating multiple objects in the repository and inherit changes made to the source automatically.
* Involved in the creation of new users and controlling and administering the access privileges to Informatica **Power Analyzer.**

**Environment**: Informatica Power Center 8.1, Oracle 9i/10g, PL/SQL, SQL\*Loader, Teradata, Shell scripts, MS SQL Server 2000, DB2, Toad, Solaris, ODBC, Power Analyzer.

**BANK OF AMERICA, NC Feb 2008 – Jul 2009**

**Role: ETL Developer**

The objective of the project was to design and develop sales Datamart to provide data analysis for sales, Claims Adjudication and Product information. Actively involved in the conversion of credit card interface from First Data Resources (FDR) to Total Systems (TSYS).The ETL Process involved extraction and migration of the data from SQL server and Flat files, implementing the business logic and populating the data into the target datamart (Oracle).

**Responsibilities:**

* Extensively used Informatica Client tools - Power Center Designer, Workflow Manager, Workflow Monitor and Repository Manager
* Extracted data from various heterogeneous sources like **Oracle, SQL Server, Flat Files, Teradata**
* Developed complex mapping using Informatica PowerCenter tool.
* Extracting data from Oracle and Flat file, Excel files and performed complex joiner, Expression, **Aggregate**, **Lookup, Stored procedure, Filter, Router** transformations and Update strategy transformations to load data into the target systems.
* Created Sessions, Tasks, Workflows and worklets using Workflow manager.
* Worked with Data modeler in developing STAR Schemas
* Involved in performance tuning and query optimization.
* Used **TOAD, SQL** Developer to develop and debug procedures and packages.
* Involved in developing the Deployment groups for deploying the code between various environment (Dev, QA)
* Worked extensively with session parameters, **Mapping Parameters**, **Mapping Variables** and Parameter files for Incremental Loading
* Used Debugger to fix the defects/ errors and data issues.
* Expertise in using both connected and unconnected Lookup Transformations.
* Extensively worked with various Lookup caches like Static cache, Dynamic cache and Persistent cache.
* Monitored and improved query performance by creating views, indexes, hints and sub queries
* Created List, Crosstab, Chart type reports using **Business Objects**.
* Extensively involved in enhancing and managing **Unix Shell** Scripts.
* Developed workflow dependency in Informatica using Event Wait Task, Command Wait.

**Environment:** Informatica PowerCenter, Oracle 10g, SQL Server 2008, MS Access, SQL\*Loader, UNIX, Winscp, Putty, Erwin, SQL, PL/SQL

**BHEL Ltd., India Apr 2007 – Jan 2008  
Role: ETL Developer**

BHEL is one of the leading automotive parts and Heavy Engineering Products Company in India. Worked as a Database Developer, maintenance and with reporting team.

**Responsibilities:**

* Involved in complete system development life cycle study, analysis and Design for creating a robust MIS Reporting System. Involved in initial study, design of Data Warehouse for better Reporting for Inventory and Procurement Systems.
* Attended in-house Training in Informatica and Dimensional Modeling.
* Used Informatica Power Center 7.1 to create data mappings.
* Created various mapping like Joiner, Lookup, Update Strategy.
* Developed Application programs using Oracle PL/SQL.
* Created **indexes, sequences, constraints**.
* Wrote Packages, Procedures, Functions and Database Triggers.
* Created test plan, test scripts. Documented actual results and compared them with expected results.
* Tracked various defects and worked to resolve the production defects.
* Verified the source data and executed various SQL’s to verify data in TOAD.
* Involved in Unit Testing / System Integration Testing. Assisted QA Team members to create test scenarios.
* Used SQL\*Loader to load flat files data to various tables.

**Environment:** Oracle 9i, SQL, PL/SQL, Windows NT, Toad, Test Director, Informatica Power Center.

Education

Bachelor of Technology in Computer Science Nagarjuna University, India