**Navya Surapaneni**

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**PROFESSIONAL SUMMARY**

* About 8+ year's professional experience in IT industry and wide range of progressive experience in design, analysis, development, documentation, coding and implementation including but not limited to Databases, Reporting, Data Warehouse, ETL Design and BI Applications across wide industry verticals.
* Proficient in Data Modeling, Strong in Data Warehousing concepts, Dimensional, Star Schema and Snowflake Schema methodologies. Complete understanding of Ralph-Kimball and Inmon approaches to Data Warehousing.
* Strong experience in extraction, transformation, loading (ETL) data from various sources into data warehouses and data marts usingInformaticaPowerCenter, Power Mart (Repository Manager, Designer, Workflow Manager, and Workflow Monitor).
* Worked on SlowlyChanging Dimensions (SCD's) and its implementation to keep track of historical data.
* Experience in using Agile/Scrum methodologies.
* Associated with Finance, Insurance, Healthcare, and Energy & Utilities industries
* Worked on various types of transformations like **Lookup, Update Strategy, Stored Procedure, Joiner, Filter, Aggregator, Expression, Rank, Router, Normalizer, Sorter, External Procedure, Sequence Generator, and Source qualifier and SCD Type-2**.
* Worked on data integration of multiple data sources and targets like **Oracle, SQL Server, MS Access, Flat files, COBOL files and XML.**
* Experience in UNIX working environment, writing UNIX shell scripts for Informatica pre & post session operations.
* Developed reports using Microsoft Reporting Services platform (SSRS), MS Excel, Pivot tables.
* Good knowledge in interacting with **Informatica Data Explorer (IDE), and Informatica Data Quality (IDQ).**
* Hands on experience in **tuning mappings, identifying** and **resolving performance bottlenecks** in various levels like sources, targets, mappings, and sessions and at database.
* Working Knowledge of Implementation Methodology, Scope, Planning, Estimates, Designing, Developing, Debugging, Testing, Documentation and Data Archiving.
* Strong experience in writing UNIX Shell scripts, SQL Scripts for Development, Automation of ETL process, error handling and reporting purposes.
* Having a good understanding of Teradata.
* Experience in analyzing and modifying current SQL Server Integration Services SSIS packages in order to support business change requirements and new source data.
* Responsible for interacting with business partners to identify information needs and business requirements for Reports.
* Excellent analytical, problem solving, communication and interpersonal skills, with ability to interact with individuals at all levels and ability to work in a team as well independently.

**TECHNICAL SKILLS**

| **Databases** | Oracle 8.x/9.x/10g/11g, SQL Server 2005/2008/2012  DB2, My SQL 5.0/4.1, MS-Access. Editors (SQL Navigator, Toad), Teradata |
| --- | --- |
| **Database Tools** | Oracle Enterprise Manager, Quest TOAD, SQL\*PLUS, SQL\*Loader SQL Navigator Export/Import, SSIS, SSRS |
| **ETL Tools** | **Informatica Power Center 9.5/9.1/8.6.0, Informatica Power Exchange 9.1, InformaticaPower Analyzer, Informatica Data Quality (IDQ),Webservices** |
| **Data Modeling** | ERWIN 4.0, Star and Snowflake Schema Modeling, Dimensional Data modeling, Fact and Dimensional Tables. |
| **Programming Skills** | SQL, PL/SQL,C, C++, Unix Script |
| **Package** | MS Office (MS Access, MS Excel, MS PowerPoint, MS Word, MS Project), Visual Studio 6.0. |
| **Environment** | Windows 2000/XP/7, Unix, Windows SERVER 2003 |

**PROFESSIONAL EXPERIENCE**

**Blue Cross Blue Shield, Eagan MN Feb 2014 - Till date**

**Sr. ETL Developer**

**Domain: Health Care**

**Responsibilities:**

* Designed high level **ETL architecture** for overall data transfer from the **OLTP** to **OLAP**.
* Created various Documents such as Source-To-Target Data mapping Document, Unit Test Cases and Data Migration Document.
* Wrote Korn Shell Scripts to execute Power center jobs using Control M Scheduling tool.
* Unit tested and tuned SQLs and ETL Code for better performance.
* Created mappings using the transformations like Source Qualifier, Aggregator, Expression, Lookup, Router, Normalizer, Filter, Update Strategy and Joiner transformations.
* Developed Informatica Mappings andNetezzatables and views.
* Created reusable transformations and Mapplets and used them in complex mappings.
* Used debugger in identifying bugs in existing mappings by analyzing data flow, evaluating transformations.
* Worked on Business Intelligence to eliminate the excessive time that business analysts and line-of-business employees spend manually searching for and piecing together inconsistent reports from multiple Business Intelligence data systems.
* Created mappings to perform the tasks such as cleaning the data and populate that into staging tables, Populating the Enterprise Data Warehouse by transforming the data into business needs & Populating the Data Mart with only required information.
* Designed and developed UNIX shell scripts to schedule jobs. Also wrote pre-session and post-session shell scripts.
* Worked on Business Intelligenceto Enable Business Intelligence and analytics applications with a single version of the truth for business-critical data.
* Interacted with business community and gathered requirements based on changing needs. Incorporated identified factors intoInformatica mappings to build Data Warehouses.
* Wrote Korn Shell Scripts to execute Power center jobs using Control M Scheduling tool.
* Unit tested and tuned SQLs and ETL Code for better performance.
* Created Stored Procedures to transform the data. Worked extensively on SQL, PL/SQL for various needs of the transformations.
* Actively involved in building the system test environment and migrated mappings.
* Monitored the performance and identified performance bottlenecks in ETL code.

**Environment:** Informatica Power Center 9.5, Oracle 11g, DB2, Erwin 4.0, Unix Shell Scripting, TeraData,Control M, SSIS, Business Intelligence, MS PowerPoint, TOAD, SQL, PL/SQL.

**TIAA CREF, Charlotte NC Jan 2013 – Jan 2014**

**ETL Informatica Developer**

**Domain: Financial**

**Responsibilities:**

* Performed major role in understanding the business requirements and designing and loading the data into data warehouse (ETL).
* Created new mappings and updating old mappings according to changes in Business logic.
* Performed extraction, transformation and loading of data from RDBMS tables and Flat File sources into Oracle RDBMS in accordance with requirements and specifications.
* Extensively used various transformations Lookup, Update Strategy, Expression, Aggregator, Filter, Stored Procedures and Joiner.
* Designed Sources to Targets mapping from primarily Flat files to Oracle using Informatica Power Center.
* Used transformations like Normalizer, Expression, Filter, Aggregator, Update Strategy, Lookup, Stored Procedure, Sequence Generator and Joiner extensively to create complex mappings and Mapplets.
* Coordinated with source system owners, day-to-day ETL progress monitoring, Data warehouse target schema Design (Star Schema) and maintenance.
* Performed Unit Testing and tuned the mappings for better performance.
* Writing PL/SQL procedures days of supply for processing business logic in the Database.
* Worked on SQL tools like TOAD to run SQL queries to validate the data.
* Worked on database connections, SQL Joins in Database level.
* Extensively used SQL to load Data from flat files to Database tables In Oracle.
* Used Workflow manager for session management, database connection management and scheduling of jobs to be run in the batch process.
* Using Unix Shell Scripting for scheduling Informatica workflows.
* Configured the report viewing security for various users at various levels using SSRS Report Manager.

**Environment:** Informatica Power Center 9.1, Oracle 10g, Windows NT, Flat files, TOAD, SQL, PL/SQL, SQL Workbench , SSIS, PL/SQL, Business Intelligence, Putty, Unix Shell Scripting.

**Franklin Templeton Investments, Pleasanton CA Aug 2011 – Dec 2012 Sr. ETL Developer**

**Domain: Financial**

**Responsibilities:**

* Involved with Business Analysts in gathering requirements.
* Used MicroStrategy to deliver strategic, reliable, best-of-breed business intelligence solutions to customers.
* Involved in designing Logical/Physical Data Models.
* Developed PowerCenter mappings to extract data from various databases, Flat files and load into DataMart using the Informatica 8.6.1.
* Created complex mappings using different transformations like Filter, Router, Connected & Unconnected lookups, Stored Procedure, Joiner, Update Strategy, Union, Expression and Aggregator transformations to pipeline data to DataMart. Also, made use of variables and parameters.
* Collects metadata from across data integration environments and provides a visual map of the data flows within that environment.
* Worked on multiple enhancement projects, conversion from PowerCenter 8.1.1 to 8.6.1 and Oracle Warehouse Builder to Informatica.
* Created T-SQL procedures to detect CDC methodologies and developed Slowly Changing Dimension for Type 1 SCD.
* Created Indexes, primary keys and checked other performance tuning at data base level.
* Implemented various Performance Tuning techniques on Sources, Targets, Mappings, and Workflows.
* Created Technical Design Document and worked with operations team to resolve production issues, created testing metrics using MS-Excel.
* Written shell scripts in UNIX to execute the workflow in a loop to process ‘n’ number of files and FTP Scripts to pull the files from FTP server to Linux Server.
* Involved with reporting team to generating reports from Data Mart using Cognos.

**Environment:** Informatica PowerCenter 8.6, SQL Server 2008, TOAD, Rapid SQL, Oracle 10g ,T-SQL, PL/SQL, UNIX Shell Scripts, FTP .

**Franklin Templeton Investments, Hyderabad India June 2008 – June 2011 Data Warehouse Analyst**

**Domain: Financial**

**Responsibilities:**

* Worked with various active transformations in InformaticaPowerCenter like Filter Transformation, Aggregator Transformation, Joiner Transformation, Rank Transformation, Router Transformation, Sorter Transformation, Source Qualifier, and Update Strategy Transformation.
* Extracted data from various heterogeneous sources like Oracle, SQL Server, Teradata, MS Access, and Flat files.
* Extensively worked with Slowly Changing Dimensions Type1, Type2, and Type3 for Data Loads.
* Responsible for Performance Tuning at the Mapping Level, Session Level, Source Level, and the Target Level.
* Implemented InformaticaPowerExchange CDC Option to capture the changes for up-to-the-minute data and increasing business agility.
* IDQ is used to deliver powerful data cleansing, matching capabilities in a single solution, empowering business information and manage effective and lasting data quality processes enterprise wide.
* Informatica Web Services integrated with InformaticaPowerCenter to exploit the platform’s scalability and management of Web services for enterprise deployment.
* Worked with re usable objects like Re-Usable Transformation and Mapplets.
* Responsible for migrate the workflows from development to production environment.
* Extensively worked with Incremental Loading using Parameter Files, Mapping Variables, and Mapping Parameters.
* Responsible for Performance in InformaticaPowerCenter at the Target Level, Source level, Mapping Level, Session Level, and System Level.

**Environment**: InformaticaPowerCenter 8.1.1,.Net,Java, Toad 7.2, Teradata, SQL Server, Oracle 9i,HIPAA X12 files, Flat Files, Pearl Scripting, UNIX, Windows XP.

**New India Insurance, India Aug2006 – April 2008**

**Informatica Developer**

**Domain: Insurance**

**Responsibilities:**

* Coordinated with the client and gathering user requirements. Designed and ETL process using Informatica Tool.
* Worked with various active transformations in Informatica PowerCenter like Filter Transformation, Aggregator Transformation, Joiner Transformation, Rank Transformation, Router Transformation, Sorter Transformation, Source Qualifier Transformation, and Update Strategy Transformation.
* Worked extensively with passive transformations in Informatica PowerCenter like Expression Transformation, Sequence Generator and Lookup Transformation.
* Extensively worked with aggregate functions like Avg, Min, Max, First, Last and Count in Aggregator Transformation.
* Extensively used SQL Override, Sorter and Filter in the Source Qualifier Transformation.
* Extensively used Normal Join, Full Outer Join, Detail Outer Join and Master Outer Join in the joiner Transformation.
* Created Connected and Unconnected Lookup Transformation for better performance.
* Done caching optimization techniques in Aggregator, Lookup and Joiner Transformation.
* Performance tuning of sources, targets, mappings and SQL queries in the transformations.
* Created reusable transformations and used in various mappings.
* Used various debugging techniques to debug the mappings.

**Environment:** Informatica Powercenter 7.X, TOAD, Oracle 8.0.4, SQL server 2000, Flat Files, Erwin, MS Visio, UNIX, Windows.

**Education:2006**

Bachelors, JNTU, Hyderabad