**Mrunalini Chaduruppa**

**Sr. Informatica Developer**

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# **SUMMARY**

* Over **7+ years** of experience in **Data Modeling, Data Development, Implementation and Maintenance** of databases and software applications. Ability to work individually as well as a team to resolve various issues with business problem analysis skills and process management.
* Expertise in designing and implementing Data Warehouse applications, mainly Transformation processes using **Informatica Power Center 9x/10x**.
* Worked in a complete **Software Development Life Cycle** (SDLC) projects with initial project phase of requirement gathering to analysis, design, testing, implementation (Go Live) and postproduction implementation support.
* Proficient in understanding business processes/requirements and translating them into technical requirements. Experience in identifying Bottlenecks in ETL Processes and **Performance tuning** of the production applications using **Database Tuning, Partitioning, Index Usage, Aggregate Tables, and Normalization/ Denormalization strategies.**
* Strong knowledge of fact and dimension tables, Proficiency in data warehousing concepts such as slowly changing dimensions.
* Excellent Working experience using Informatica PowerCenter in developing and administering **ETL mappings** with Designer (**Source Analyzer, Target Designer, Mapping Designer**), **Repository Manager, Workflow manager and Workflow monitor**.
* Proficient in ETL Loading strategy for slowly changing dimensions **type 1 and type 2** to maintain the history of records, Incremental load using parameters, variables, and parameter files.
* Experience in creating complex mappings using various **Transformations** such as **Aggregator, Expression, Ranking, Router, Lookup, Filter, Joiner and Update Strategy transformations**.
* Experience using debugger in **Informatica Designer tool to test and fix errors** in the mappings.
* Expertise in working with various Source file types **like XML files, csv and Flat files** sourced from external Legacy source systems.
* Experienced in **Performance Tuning of sources, targets, mappings, transformations and sessions**.
* Proficient in handling production incidents and issues involving data discrepancies and finding out the root cause for certain incidents/issues.
* Combined views and reports into interactive dashboards in Tableau Desktop that were presented to Business Users, Program Managers, and End Users.
* Experience in design and development of various dashboards, reports utilizing **Tableau Visualizations** like **bar graphs**, **scatter plots**, **pie-charts**, **geographic visualization** and other making use of **actions,** other **local and global filters** according to the end user requirement.
* Self-directed and dedicated with effective communication, excellent analytical skills and ability to multi-task that support my problem-solving skills.

# **TECHNICAL SKILLS**

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| --- | --- |
| **ETL/BI Tools** | Informatica PowerCenter 9x (Designer, Workflow Manager, Workflow Monitor). |
| **Data Modeling** | Dimensional data modeling (Star Schema, Snowflake Schema, Fact-Dimensions) Conceptual, Physical and Logical Data Modeling |
| **Databases** | Oracle 11g/10g, SQL Server |
| **DB Tools** | SQL \*Plus |
| **Other Tools** | Tableau |

**EDUCATION**

Master’s in computer applications, Osmania University, Hyderabad.

**PROFESSIONAL EXPERIENCE**

**BCBS Charlette NC Sep ‘17 – Till date**

**Sr. Informatica Developer**

* Developed ETL Mappings to extract data from flat files, SQL Server and Oracle to load the data into the target database.
* Developed reusable mappers and transformations to perform modular data processing, helped in code maintenance and quick development cycle.
* Designed practical and innovative logical and physical data processing infrastructures and models
* Increased performance by performing parallel loads wherever possible and also added custom index for data loads.
* Performed partitioning for large loads, reduced load time from hours to minutes.
* Developed data load to combine data from multiple source types and load to target, effectively added logging to handle source data issues and other error handling.
* Involved in unit and system testing of ETL DW jobs and collaborated with IT operations and testing organizations to ensure timely releases of projects and database environments are sustainable
* Providing support to systems designing and performing unit test cases
* Drafted standard operation procedures
* Developed and implemented strategies for the handling of errors by the ETL team
* Tested Informatica code and validated results.
* Resolved code defects and production issues.
* Co-ordinated monthly roadmap releases to push enhanced/new informatica code to production
* Used transformations including Filter Aggregator, Expression, Transaction control and Sequence Generator.
* Generated process flow designs and maintained process flow documentation.

**Environment:** Informatica Power Center 10x (Workflow Manager, Workflow Monitor, Warehouse Designer, Source Analyzer, Transformation developer, Mapping Designer, Mapplet Designer, Repository manager, Oracle 11G, Microsoft SQL Server.

**Charter Communications St. Louis MO May ‘16 – Aug ‘17**

**Sr. Informatica Developer**

**Responsibilities:**

* Gathered user Requirements and designed Source to Target data load specifications based on Business rules.
* Created Low-Level design document that includes ETL mapping specifications.
* Designed and developed ETL Mappings to extract data from flat files and Oracle to load the data into the target database.
* Created mappings implementing SCD type 2 to capture and preserve changes to dimensions.
* Created complex mappings involving extensive use of Aggregator, Filter, Router, Expression, Joiner, Union, Normalizer and Sequence generator transformations.
* Worked with different Informatica tuning issues and fine-tuned the transformations to make them more efficient in terms of performance.
* Worked on complex Source Qualifier queries, Pre- and Post SQL queries in the Target.
* Extensively used workflow variables, mapping parameters and mapping variables.
* Used Change Data Capture (CDC) to simplify ETL in data warehouse applications.
* Involved in writing procedures, functions in PL/SQL.
* Performed operational support and maintenance of ETL bug fixes and defects.
* Performed unit testing at various levels of the ETL and actively involved in team code reviews.
* Identified problems in existing production data and developed one-time scripts to correct them.
* Optimizing performance tuning at source, target, mapping and session level.
* Demonstrated collaborative skills working within a project team of diverse skills with excellent communication skills including oral, written and presentation skills.
* Involved in the data analysis for source and target systems. Good understanding of Data warehousing concepts, Star schema and Snow-flake schema.

**Environment:** Informatica Power Center 10 (Workflow Manager, Workflow Monitor, Source Analyzer, Transformation developer, Mapping Designer, Repository manager), Oracle 11g, SQL

**Optum Baskin Ridge NJ May ‘15 – Apr ‘16**

**Role: Informatica Developer**

**Responsibilities:**

* Gathered user Requirements and designed Source to Target data load specifications based on Business rules.
* Created design document and ETL standards document.
* Designed and developed ETL Mappings to extract data from flat files, SQL Server and Oracle to load the data into the target database.
* Query and Instance tuning using **OEM, Explain Plan.**
* Created and used Slowly Changing Dimensions Type-2 Logic to store and maintain historical data.
* Created complex mappings to load the data mart and monitored them. The mappings involved extensive use of Aggregator, Filter, Router, Expression, Joiner, Union, Normalizer and Sequence generator transformations.
* Extensive use of Persistent cache to reduce session processing time.
* Worked with different Informatica tuning issues and fine-tuned the transformations to make them more efficient in terms of performance.
* Worked on complex Source Qualifier queries, Pre and Post SQL queries in the Target.
* Extensively used workflow variables, mapping parameters and mapping variables.
* Involved in writing procedures, functions in PL/SQL.
* Create reusable failure and success email tasks.
* Performed operational support and maintenance of ETL bug fixes and defects.
* Performed unit testing at various levels of the ETL and actively involved in team code reviews.
* Involved in reporting and analyzing the data using Tableau.
* Identified problems in existing production data and developed one-time scripts to correct them.
* Optimizing performance tuning at source, target, mapping and session level.
* Worked under SDLC and attended daily scrum based stand up meetings.

**Environment:** Informatica 10, Oracle 11g, Windows 2010 Professional, Tableau Desktop 9x.

**Johnson and Johnson Piscataway NJ Apr ‘13 – Apr ‘15**

**ETL Developer**

**Responsibilities:**

* Created Functional, Technical Design and Data mapping documents by Interacting with Customers subject matter expert (SME). In Addition, participating in requirement gathering, Analyzed the requirements.
* Performed migration of mappings and session from Dev to Test repository, taking backup and restoring of Informatica Repository, upgrades and security issues.
* Developed mappings using various transformations like Update strategy, Lookup, Stored Procedure, Router, Filter, Sequence Generator, Joiner, Aggregator, Expression, SQL transformation.
* Worked with different sources such as Oracle, Flat files and XML sources.
* Using Workflow manager for Workflow and Session Management, database connection management and Scheduling of jobs.
* Responsible for writing complex SQL queries in Informatica Mapping and developing stored procedures using PL/SQL.
* Development of work breakdown structures, charts, tables, graphs, major milestone calendars and diagrams to assist in analyzing problems and making recommendations.
* Worked closely with the DBA team for production and opps team to schedule the maintenance activities for better results in production.
* Designed Data Mart for Reporting using Star Schema & Multi-dimensional Analysis.
* Responsible in fixing issues with complex mappings.
* ETL Design and preparing Technical specifications for the Informatica mappings.
* Design and implement the error handling process for the existing data warehouse.

**Environment:** Informatica Power Center 9x (Source Analyzer, Warehouse Designer, Mapplet Designer, Mapping Designer and Transformation Developer) SQL, PL/SQL, Oracle 10g, XML, Windows 2000.

**Old National Bank Vienna VA Nov ‘11 – March ’13**

**ETL Developer**

**Responsibilities**

* Develop the informatics mappings for loading data into staging and data warehouse.
* Implement and maintain database code in the form of stored procedures, scripts, queries, views, triggers, etc.
* Work closely with the CTO to implement effective and maintainable database coding practices that form an architectural foundation.
* Work with front end developers to define simple yet powerful APIs.
* Work with GIS analysts to implement geospatial processes, queries and reports.
* Work with DBAs to ensure efficiency of database code, integrity of data structures and quality of data content.
* Work with product managers to ensure database code meets requirements.
* Work with DBAs and data analysts to ensure database code is accurately documented.
* Taking frequent back up of data, create new storage procedures and scheduled back up is one of the duties of this job.
* Ability to work with Linux friendly applications and able to troubleshoot it when issue arises from the server.
* Monitoring of servers is also one of the important duties of this job.
* Designs, develops, tests and troubleshoots applicable software packages that implement complex ETL processes in accordance with business requirements and service level agreements.
* Collaborate with application Developers, Business Partners, Management and Data Warehouse team.
* Extends the data model to house additional structures as needed to meet applicable regulatory requirements.
* Designs data warehouse or data mart fact tables, aggregate tables, and dimensions. Delivers quality data integration projects, standards, best practices and data dictionary.
* Develops ETL audits and controls to ensure quality of data meets or exceeds defined standards and thresholds. Develops and documents systems, processes and logic required to expose existing data sets in the warehouse to end users for reporting and analytical purposes.

**Environment:** InformaticaPowerCenter 9.1,Oracle 9i, Toad, PL/SQL, Unix Shell scripting