ALPANA

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SUMMARY

* Ten Plus (10+) years of Total IT experience which includes Business Requirements Analysis, Data Modeling, Development, Implementations and Testing of Data Warehousing in various industries.
* Ten Plus (10+) years of Data Warehousing experience using Informatica Power Center 10.4.1/9.1/9.0/8.6, Informatica Power Exchange 10.4.1, IDQ 9.1, Warehouse Designer, Datamart, OLAP, OLTP,
* Experience in Real time processing using Power Exchange
* Data Processing experience in designing and implementing Data Mart applications, mainly transformation processes using Informatica
* Extensively worked on Informatica Power Center Transformations such as Source Qualifier, Lookup, Filter, Expression, Router, Normalizer, Joiner, Update Strategy, Rank, Aggregator, Stored Procedure, Sorter, and Sequence Generator.
* Proficiency in using Informatica PowerCenter tool to design data conversions from wide variety of sources
* Strong in Data warehousing concepts, Star Schema and Snowflakes Schema methodologies
* Extensively worked with large Databases in Development / Production environments.
* Proficient in using Informatica workflow manager, Workflow monitor to create, schedule and control workflows, tasks, and sessions
* Performance tuning of the Informatica and Databases
* Extensive work in ETL process consisting of data transformation, data sourcing, mapping, conversion and loading.
* Proficient in understanding business processes / requirements and translating them into technical requirements.
* Experience in resolving on-going maintenance issues and bug fixes; monitoring Informatica sessions as well as performance tuning of mappings and sessions
* Ten (10+) years of database experience using Oracle 12g/ 11g/10g/9i, SQL Server 2008
* Extensively used SQL and PL/SQL to write Stored Procedures, Functions, Packages and Triggers.
* Extensively worked with SQL Loader for bulk loading into the oracle database.
* Experience in complete life- cycle of Test case design, Test plans, Test execution, Defect Management.
* Experience in UNIX Operating System and Shell scripting
* Two (2+) years of experience using EDC Advance Scanner and AXON
* Extracting Data from each system and feeding into EDC advance Scanner.
* Making sure all mandatory field are fulfilled.
* Running lineage to understand full cycle of development. From Source to downstream flow.
* Simplifying code for Data stewards to understand whole process and sun the report.
* Two (2+) years of experience using Denodo
* Connecting different source system.
* Creating Base views, Derived views and Final views.
* Applying logic based on the business requirement.
* Helping Data Stewards to make decision based on the data analysis.
* Two (2+) years of experience using MDM
* Connecting different source system.
* Creating Landing and Staging tables.
* Applying logic based on the business requirement to load data based on Cleanse and Data Detection.
* Matching customer data based on the validation and rule.
* Auto merging data based on the set rules.
* Creating Master data for customer to make global transaction.

**EDUCATION & CERTIFICATIONS**

* Bachelors of Business Administration, India
* Diploma In Computer Programming, Hi-Tech Institute, India
* Web Designing (ARENA Multimedia), India

**TOOLS**:

* Data Warehousing :- Informatica Power Center 10.4.1/9.1/9.0/8.6, IDQ 9.1, Warehouse Designer, ETL, Datamart, OLAP, OLTP, Control-M, SVN EDC advance Scanner- 10.4.1.3.12, Axon-7.3.0.1
* Dimensional Data Modeling :- Dimensional Data Modeling, Data Modeling, Star Schema Modeling, Snow-Flake Modeling, FACT and Dimensions Tables, Physical and Logical Data Modeling, Erwin 7.2/6.1
* Databases :- Oracle 12g/ 11g/10g/9i, SQL Server 2008
* Programming :- TOAD, SQL, PL/SQL, Unix Shell Scripting
* Environment :- Sun Solaris, HP-UX, IBM AIX, Unix HP

## WORK EXPERIENCE

## Santander Bank Feb 2017 – Current

**Role: Sr. Informatica Lead/ EDC advance Scanner Lead Holmdel, NJ**

DW/ETL RESPONSIBILITIES:

* Migrated large volumes of data from legacy systems to Oracle database.
* Extensively used SQL Loader for Data loading
* Enhancements and Functional Specifications.
* Consolidation, Cleansing, Integration, and customization of data
* Optimized Query Performance, Session Performance and Reliability.
* Created complex procedures.
* Experience in Real time processing using Power Exchange.
* Database connectivity was done using ODBC.
* Preparation of Unit Test Plans.
* Verification of functional specifications and review of deliverables.
* Complex SQL queries were used for data retrieval.
* Used different transformations for **Extraction/Transformation, data cleansing** and loading data into staging areas and Presentation Tables.
* Worked with workflow Manager and workflow monitor to schedule batches and run the workflow and monitor session logs.
* Effectively tuned the performance of Informatica Transformations, mappings, sessions and workflows.
* Worked on **Data Extraction, Data Transformations, Data Loading, Data Conversions and Data Analysis**.
* Extensively designed Data mapping using filters, Expression, Update Strategy Transformations in Power Center Designer.
* Created target load order group mappings and scheduled them for Daily Loads.
* Preparation of **Unit Test** Plans and verification of functional specifications and review of deliverables.
* Migrated Mappings, Sessions, Workflows and Common Objects from Development to Test and to Production.
* Wrote Unix Scripts and SQL Commands to test and analyze the data
* Extensively used UNIX commands within Informatica for Pre Session and Post Session Data Loading Process.
* Used Informatica scheduler for scheduling the jobs.
* Assisted in handling **production support issues**.
* Did design and code reviews for the EDW Production Support project
* Involved in Data Modeling using Erwin.
* Developed Packages, Procedures and function to maintain the Business logic using PL/SQL.
* Creating Database objects including Tables, Indexes, Views, Sequences, Synonyms and granting Roles, and Privileges to the system users.
* Creating sql scripts for deployment of database objects on Production.
* Involved in fine tuning of sql query to achieve good performance.
* Formally trained in DW / BI Methodologies and formally trained in Informatica.
* **Working with Data Governance team to run the lineage and create FED report**
* **Using EDC advance Scanner and Axon.**

**Tool: Informatica 10.4.1, SQL Server 2008,**

**Oracle: 19.2.1**

## ADP Oct 2016 – Jan 2017

**Sr. Informatica Developer Roseland, NJ**

**DW/ETL RESPONSIBILITIES:**

* Analyzed the business systems, gathered requirements from the users and documented business needs for decision support data.
* Interpreted logical and physical data models for Business users to determine common data definitions and establish referential integrity of the system.
* Created the (ER) Entity Relationship diagrams & maintained corresponding documentation for corporate data dictionary with all attributes, table names and constraints.
* Extensively used Erwin for data modeling and Dimensional Data Modeling.
* Prepared technical documentation to map source to target.
* Designed, Developed, Deployed and implemented ETL mappings using Informatica
* Migrated **Workflows, Mappings, and other repository objects** from Development to QA and then to production.

**Tool: Informatica 9.1.0, SQL Server 2008,**

## KPMG May 2015 – Sept 2016

**IDQ/Sr. Informatica Developer Roseland, NJ**

KPMG implemented SAP CRM 7.0 EHP1 as part of its Global template which was further adapted by local member firms including KPMG US and customized as per business requirements. Sales and Marketing module have been implemented and the system is integrated with other SAP modules of HCM, SD, FI and BI along with other third-party applications. Using Informatica Power Exchange for SAP to pull data from SAP R/3 Connector.

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**DW/ETL RESPONSIBILITIES:**

* Performed the data profiling and analysis making use of **Informatica Data Quality (IDQ)**.
* Used DQ transformation to generate duplicate file (**Match, Standardization, Labeler)**
* Analysis the existing code to come up with solution on existing issue.
* Worked from source to downstream extract.
* Experience in complex quality rule and index design, development and implementation patterns with cleanse, **parse, standardization,** validation, **scorecard**, exception, **notification** and reporting with ETL and Real-Time consideration
* Used various **profiling t**o analysis data like (Column Profiling, Mid-Stream Profiling, Comparative Profiling, Join Analysis
* Used various Informatica Error handling techniques to debug failed session.
* Performance tuning for optimum performance.
* Worked on Process Sequence, Dictionaries, **Data Quality Lifecycles**, Naming Convention.
* Strong working experience in Informatica Power Center (PWC) Data Integration Tools **– Repository Manager, Designer, Workflow Manager, Workflow Monitor.**
* Worked with staging area to perform data cleansing, data filtering and data standardization process.
* Handled Users, Data Security issues and automation of schedules and sessions.
* Worked on different types of products like: Shares, Equity, Bonds, Options etc.
* Experience in **Informatica Metadata** and **Repository Management**, was directly responsible for the **Extraction**, **Transformation** and **Loading** of data from Multiple Sources to Data Warehouse.
* Worked closely with DBA team to tune the performance of the Database.
* Designed, Developed, Deployed and implemented ETL mappings using Informatica
* Worked on data validation.
* **Extensively work with Matching Algorithm.**
* Experience in understanding the **Business requirements** and translating them into **Detailed Design** along with **technical specifications**.
* Interacting with client to understand the requirement and explain them to downstream impact of fix the issue
* Extensively worked on all the transformations like Filter, Aggregator, Expression, Router, Lookup, Update Strategy, Sequence generator, Rank, Union, Joiner, Source Qualifier, etc.,
* Assisted in handling production support issues.
* Experienced work with **Model Repository.**
* Generating Potential Duplicate report to clean data.
* Merge to do basic **cleansing and transformations**, primary key error checking.
* Extensively used Debugger Process to modify data and applying Break Points while Session is running.
* Used various Informatica Error handling techniques to debug failed session.
* Copy data from one environment to another environment.
* Done Data Analysis job.
* Export **Mapplet/Mapping in** Power Center

**Tool: Informatica 9.1.0, SQL Server 2008**

## Credit-Suisse Sep 2014 – Apr 2015

**Sr. Informatica Developer NYC, NY**

LCDB is a centralized global data repository of securities, trades, positions, and reference data for most of the investment bank’s product types.  This data is consumed by several General Counsel IT (GCIT) systems for Legal, Risk, and Regulatory purposes.  The need for a dedicated task force is in response to a series of data quality issues that have been uncovered in LCDB and necessitated the need for a comprehensive review to mitigate potential risks that inaccurate data would have on any Legal, Regulatory, or Control Room function.

**DW/ETL RESPONSIBILITIES:**

* UAT high priority defects analysis and fixation.
* Analysis the existing code to come up with solution on existing issue.
* Find out the cause of defect and fix.
* Worked in development, Uat and Production environment.
* Create detail design document for all the defects.
* Create Unit Test Template.
* Worked from source to downstream extract.
* Used various Informatica **Error handling** techniques to debug failed session.
* Performance tuning for optimum performance.
* Worked with staging area to perform data cleansing, data filtering and data standardization process.
* Handled Users, Data Security issues and automation of schedules and sessions.
* Worked on different types of products like: Shares, Equity, Bonds, Options etc.
* Worked closely with DBA team to tune the performance of the Database.
* Designed, Developed, Deployed and implemented ETL mappings using Informatica
* Migrated code one environment to another through **SVN Process**.
* Worked on **data validation.**
* Did design and code reviews for the EDW Production Support project
* Interacting with client to understand the requirement and explain them to downstream impact of fix the issue
* **Tune SQL Query** using explain plans, hints, indexes, and partitions.
* Extensively worked on all the transformations like Filter, Aggregator, Expression, Router, Lookup, Update Strategy, Sequence generator, Rank, Union, Joiner, Source Qualifier, etc.,
* Assisted in handling production support issues.
* Extensively used **Debugger Process** to modify data and applying Break Points while Session is running.
* Used various Informatica Error handling techniques to debug failed session.
* Worked closely with DBA team to tune the performance of the Database.
* Implemented Slowly Changing Dimensions Type1, Type 2.
* Copy data from one environment to another environment.
* Experience in **FTP process**
* Done Data Analysis job.
* Write stored procedures, functions, and packages.
* Write SQL queries.

**Tool: Informatica 8.6.1, PL/SQL Developer 10.2, Control-M, SVN Process**

## New Jersey Motor Vehicle Commission Aug 2013 – Aug 2014

## Sr. Informatica Developer Trenton, NJ

MATRX Application is intended to replace the existing 30-year-old mainframe-based New Jersey MVC (Motor Vehicle Corporation) applications. MATRX consists of intranet and internet versions of the application featuring all of the motor vehicle corporation needs including State Police Interface, Customer Management, Vehicle Titles and Registrations, Web based online support, third party interfaces for external organizations to address their business needs.

The objective of the project is to re-architect and modernize the functionality based on the current regulations. Also, it is based on real time processing and hence the current mainframe database will be replaced by Oracle database and utilizing Informatica using Change Data Capture. Being government project, it is very critical, has to maintain highest of confidentiality and zero tolerance.

**DW/ETL RESPONSIBILITIES:**

* Experience in Real time processing using Power Exchange.
* UAT high priority defects analysis and fixation
* Designed and developed Oracle PL/SQL Procedures and wrote **SQL, PL/SQL** scripts code for extracting data to system.
* Used various Informatica Error handling techniques to debug failed session.
* Used **Informatica scheduler** for scheduling the jobs.
* Performance tuning for optimum performance.
* Handled Users, Data Security issues and automation of schedules and sessions.
* Worked with staging area to perform data cleansing, data filtering and data standardization process.
* Worked closely with DBA team to tune the performance of the Database.
* Designed, Developed, Deployed and implemented ETL mappings using Informatica
* Developed several Mappings and **Mapplets using** corresponding Source, Targets and Transformations.
* Worked with Informatica PowerCenter -Source Analyzer, Warehousing designer, Mapping Designer & Mapplet and Transformation Developer for creating Mappings.
* Used Informatica Workflow Manager for creating, running the Workflows and Sessions and scheduling them to run at specified time.
* Write stored procedures, functions, and packages.
* Designed the Mapping Design documents and the Deployment Documents.
* Used various partitioning schemes in order to improve the overall session performances.
* Worked on the performance tuning of databases (dropping & re-building indexes, partitioning on tables)
* Involved in developing **UNIX shell script** to invoke the workflows and Informatica batches including the pre and post analysis.
* Analyzing the source data and deciding on appropriate extraction, transformation and loading strategy
* Used transformation Logic to cleanse the data.
* Extensively worked on all the transformations like Filter, **Aggregator**, Expression, Router, Lookup, Update Strategy, Sequence generator, Rank, Union, Joiner, Source Qualifier, etc.,
* Developed **slowly changing dimensions** mapping to accommodate the passive mode phase.
* Developing number of Complex Informatica Mappings, Mapplets and Reusable Transformations for weekly Loading of Data.
* Developed several Mappings and Mapplets using corresponding Source, Targets and **Transformations.**
* Worked with Informatica PowerCenter -Source Analyzer, Warehousing designer, Mapping Designer & Mapplet and Transformation Developer for creating Mappings.
* Used Informatica Workflow Manager for creating, running the Workflows and Sessions and scheduling them to run at specified time.
* Write automated script for **DATA VALIDAION** in plsql
* Created UNIX scripts to automate the activities like start, stop, and abort the informatica workflows by using PMCMD command in it.

**Tool: Informatica 9.1, Power Exchange 9.5.1, Toad 9.7.2.5**

**Operating System: AIX Database: Oracle 11g**