**Sundaresh**

**Sr ETL Developer**

**Professional Summary:**

* **11+ years** of professional experience with expertise in design, analysis, development and implementation of **Data warehousing** and **Business Intelligence** applications using **ETL** and **BI** tools with **Oracle, MS SQL server, Teradata** and **NoSQL** databases on Windows and UNIX platforms.
* Extensive knowledge in Data Extraction, Data Transformation and Data Loading (ETL) using **Informatica** suite of products including PowerCenter, IICS, IDMC, IDQ, MDM
* Experience in Informatica intelligent Cloud Services (IICS) to integrate on prem database with Cloud systems
* Possess strong Documentation skill and knowledge sharing among Team, conducted data modeling review sessions for different user groups, participated in requirement sessions to identify requirement feasibility.
* Strong expertise in Relational database systems like **Oracle, SQL Server, Teradata, Vertica, Mongo DB, Hadoop** and database development using **SQL, PL/SQL, SQL PLUS, TOAD.**
* Experience in working with data warehouses and **data marts** using Informatica Power center (Designer, Repository Manager, Workflow Manager, and Workflow Monitor).
* Worked as a Technical Team Lead to help my team members resolve issues related to **performance tuning in developed Informatica mappings and workflows**.
* Proficient in designing and developing complex standard and re-usable mappings and mapplets using various transformation logics by utilizing the expression, filter, joiner, lookup, router, rank, normalizer, aggregator and parser transformations
* Expert level experience in **Data Integration and Data Warehousing** using ETL tool **Informatica Power Center / Power Mart 7.x/8.x/9.x (**Source Analyzer, Warehouse Designer, Mapping/ Mapplet Designer, Sessions/tasks, Worklets / Workflow Manager).
* Extensive experience in analyzing the Dimensional Data modeling, Star Schema/Snowflake Schema, modeling, FACT & Dimensions tables, Physical & logical data**.**
* Experienced with **Informatica Power Exchange (5.x/8.x/9.x)** for Loading/Retrieving data from mainframe systems.
* Well versed in all Informatica Admin activities to move code to different environments using labels and deployment groups. Created folders, user groups and relational connections using workflow manager.
* Hands on experience with downloads, installations, setup of ETL tools, databases,

Schedulers, and configuring servers

* Experience and exposure to Informatica Intelligent Cloud services (IICS) to integrate data across cloud based applications and on prem systems using Cloud Data integration(CDI), Cloud Application integration(CAI) and B2B activities
* Experience with various available services like Data integration, application integration and admin activities using IICS and IDMC
* Developed Strategies for **Extraction Transformation Loading** (ETL) mechanism using IICS.
* Experience on Teradata tools and utilities (BTEQ, FastLoad, MultiLoad, FastExport, TPump).
* Experience in working with the Heterogeneous data sources like Oracle, My SQL, Flat files, XML files, Teradata SQL Assistant
* Proficient in reporting tools as **Tableau** and SQL Server reporting services (**SSRS**).
* Experience in **Performance Tuning** of source, target, mappings, transformations and sessions.
* Complete knowledge of data ware house **methodologies, ODS, EDW** and **Metadata repository**.
* Strong **SQL** knowledge and the ability to write and tune complex **SQL queries.**
* Strong understanding in the principles of Data ware housing using Fact Tables, Dimension Tables, star schema modeling and snowflake schema modeling, Slowly changing dimensions, foreign key concepts, referential integrity.
* Maintained outstanding relationship with Business Analysts and Business Users to identify information needs as per the business requirement Experience working with Onside-Offshore model.
* Excellent analytical, problem solving and communication skills, with ability to interact with individuals at all levels.

**Technical Skills:**

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| --- | --- |
| **ETL Tools** | Informatica Power Center 10.4/10.1/9.5/9.1/8.6.1.1/7.1.2, IICS, DVO, IDQ, MDM, IDMC, Power Mart 5.0/4.7, Dataware House Builder |
| **Operating Systems** | Windows 10, XP/2000/NT/98, Windows 2003 server, UNIX, LINUX, Mainframe  |
| **Databases** | Oracle 18c,11g,10g/9i/8i/8.0, Vertica, Teradata 13, MS-SQL Server 2016/ 2008/2005/7.0/6.5, Db2, Sybase, Netezza, Oracle Exadata, MongoDB |
| **Data Modeling** | Star Schema Modelling, Snow-Flake Modelling, Erwin 4.1.4/3.5.2 |
| **Tools** | SQL Loader, MS Visio, Lucid Chart, MS Office, JIRA, TFS, Github, Winscp, Filezilla, Azure Data Factory, Databricks, AWS, Redshift |
| **Reporting Tools** | Tableau, MicroStrategy, SSRS, Web Intelligence, Business Objects XI/6.x/5.x, OBIEE 10.x/9.x |
| **Web Technology** | Web Technology HTML, CSS |
| **Languages** | SQL, PL/SQL, UNIX scripts |
| **Scheduling Tools** | Tidal Scheduler, Informatica Scheduler, Autosys, Control-M, JAMS, Tivoli |

**Professional Experience:**

**Verizon, Plano, Texas** May 23 - Aug 24

**Sr ETL Developer**

**Responsibilities:**

* Interacted with business analysts, architects to build robust designs and had direct communications with users to resolve queries with quick resolution solutions
* Involved in meetings with project managers on weekly basis to discuss the ETL designs, timelines and best practices to follow for implementation of different projects
* Having extensive experience in **ETL technical documentation** and preparing **mapping documents** and maintain the source control with systems like GITHub
* Extracted/loaded data from diverse source systems like Oracle, SQL Server, XML, JSON and Flat files
* Handled a team of 5 ETL developers, provided designs and guided them to build ETL pipelines and performed code reviews. Also assisted in mapping issues and suggested SQL tunning techniques
* Used the data integration services platform to load data from Salesforce into Oracle DB using **IDMC**
* Configured managed packages, workflow rules and outbound messaging were implemented using **IDMC** to monitor real cases scenarios.
* Involved in creating designs for development of mappings in IDMC to load data into different load tables in Oracle, SQL and Snowflake databases
* Designed unix scripts to encrypt, move the files to Informatica source folders/environment and remote host the files from different applications including Salesforce and Snowflake
* Implemented daily ETL jobs to pick the data files from source folders and write to target systems like snowflake using snowflake connector in IICS to provide insights use case for sales team
* Developed reusable ETL pipelines to ingest huge data from Oracle and SFTP filesystems and Salesforce applications using IDMC. Also developed Rest v2 connector to integrate data with rest services using web service transformation
* Worked with ETL admins to setup different environments required in process like Dev, QA, UAT and Prod
* ETL pipelines were tweaked to improve performance and ingest huge data from different source systems
* Experience in migrating code from offshore and integrating with onshore model for faster development and executions of batch jobs
* Developed mappings to load mass data from on premise database to snowflake systems
* Experience in creating mapplets from developer tool into Informatica Power center to use mapplets logic for several different implementations
* Designed and built IICS mappings to extract data from SFDC, Oracle, SQL Server and loaded into target systems
* Developed ETL flows, mappings, bundles and taskflows in IICS for generating flat file extracts as per business need
* Developed an **ETL Informatica mapping** in IDMC to load data into staging area. Extracted from flat file and databases and loaded into Oracle target database.
* Performed **unit testing** to check if data loaded correctly from source to target tables
* Good Knowledge in Data warehousing concepts like **Star Schema, snowflake schema,** Dimensions and Fact tables.

**Environment: Informatica Power Center 10.5.4/10.1, IDQ, IICS, IDMC, CAI, TOAD- 12.9.0.71, SQL Developer, Tidal, Winscp, Toad, Salesforce, Scripting, Putty, Scheduler**

**Availity, Jacksonville, FL** May 22 – May 23

**Role: Sr ETL Developer/Sr Data Engineer**

**Responsibilities:**

* Interacted with **Data analysts, architects and application managers** to analyze the data model, gathered the requirements and involved in project coordination
* Involved in designs meetings and experience in creating detailed design level document for the entire ETL process
* Widely used Informatica client tools -- **Source Analyzer, Target designer, Mapping designer, Transformation Developer and Informatica Workflow Manager**
* Analyzed and built reusable code in mapplets which could be used for different healthcare providers.
* Used Informatica Designer to create **complex mappings** using different transformations like **Source Qualifier, Expression, Lookup, Aggregator, and Update Strategy, Joiner, Filter and Router** transformations to pipeline data to Data Warehouse/Data Marts.
* Implemented reusable transformations, mapplets, worklets and Parser using Transformation Developer, Mapplet Designer and Worklet Designer
* Created ETL and Datawarehouse standard documents – Naming standards, ETL methodologies and strategies, standard input file formats and data cleansing, preprocessing strategies using Informatica Data Quality (**IDQ**)
* Expertise in using Parser transformation to change the structure of the data set to add new columns and write values to new columns
* Experience in assigning single column values to individual column values based on the data they contain using Parser transformation using Informatica IICS
* Assisted and made modifications to **Mappings documents** with detailed source to target transformation logic. Source/Target data column info and relative datatypes and constraints
* Extracted/loaded data from diverse source systems like Oracle, SQL Server, XML, JSON and Flat files using IDMC
* Experience in migrating code from offshore and integrating with onshore model for faster development and executions of IDMC batch jobs
* Developed mappings to load data into landing layer, staging layer and publish layer with extensive usage of **SCD type 1** and **SCD type 2** concept
* Experience exporting mapplets from developer tool into Informatica Power center to use mapplets logic for several different implementations
* Designed and built IDMC mappings to extract data from SFDC, Oracle, SQL Server and loaded into target systems like Snowflake
* Developed ETL flows, mappings, bundles and taskflows in IDMC for generating flat file extracts as per business need
* Worked on converting Powercenter ETL code to IICS using PC to Cloud conversion services available in IICS
* Created automated process in JAMS scheduler for processing of data from source files and loading into target systems
* Involved in identifying performance issues and bottlenecks of different IICS batch jobs and implemented tunning techniques to improve the job execution times
* Extensive experience in ingestion of flat files, xml files, building transformations to implement business rules and loading into different target systems.
* Responsible for reloads of Informatica applications data in production and closing user tickets and incidents
* Used Informatica Data validation tool for creating unit tests of Informatica code and performed count checks and data mismatches

**Environment: Informatica Power Center 10.2/10.1, IDQ, IICS, IDMC, TOAD- 12.9.0.71, SQL Server 2019, Tidal, FileZilla, Toad, Scripting, Putty, JAMS Scheduler**

**State of New York, Albany, NY** May 21 – April 22

**Role: ETL Lead/ Sr ETL Developer**

**Responsibilities:**

* Interacted with Business Analysts to understand the requirements and analyzed the requirements and prepared optimize design.
* Involved in **ETL designing and coding**. Extensively used ETL to load data from **Oracle** database, **SQL** server, NoSQL MongoDB database and **Flat files** to Oracle Data Warehouse.
* Reviewed the logical model with Business users, ETL Team, DBA’s and testing team to provide information about the data model and business requirements.
* Involved in production support for the **Data Warehouse** Informatica jobs.
* Involved in **Code reviews and determining Informatica standards** for Mappings/Sessions/ Workflows
* Modified the existing **mappings and workflows** as per requirement changes and migrated them back to production environment.
* Created **reusable transformations** and **mapplets** and used them in **mappings**.
* Implemented the **slowly changing dimensions (SCD) type1 and type2** to maintain current information and history information in the **dimension tables**.
* Used the data integration services platform to load data from Salesforce into Oracle DB using **IICS**
* Configured managed packages, workflow rules and outbound messaging were implemented using **IICS** to monitor real cases scenarios.
* Involved in creating web transformation to call various webservices to load data into vendor system using Application services available in **IICS**
* Designed and developed **unit test cases** using DVO for system integration testing.
* Involved with the users in the creation of **test scripts** for the user acceptance testing
* Developed some scripts to take **weekly backups** of certain tables using korn shell and import/export utilities.
* Worked on **tuning some individual mappings** and **oracle queries** that causes **performance bottlenecks**.
* Implemented Complex business rules by creating **re-usable transformations, workflows/ worklets** and **Mappings / Mapplets**
* Created and monitored **Sessions/Batches using Informatica** Server Manager/Workflow Monitor to load data into target Oracle database.
* Worked with **mapping variables**, **Mapping parameters** and variable functions like set variable, Count Variable, Setminvariable and Setmaxvariable.
* Monitored incremental and full load of data extraction through **Data Warehouse Administration** Console (DAC) and Informatica.
* Involved in **MDM** Service Integration Framework (**SIF**) for cleaning Base Objects, applying change lists, Validating ORS, executing Batch groups etc.,
* Experience in Designing, Installing & Configuring core Informatica MDMHub components, Informatica MDM Hub Console, Hub Store, Hub Server, Cleanse Match Server, Cleanse Adapter and IDD & Data Modeling
* Configured different Source Systems of MDM tables in MDM Hub: Landing tables, Base Objects, Staging Tables, and Relationships Base Objects

**Environment: Informatica Power Center 10.4/10.1, IICS, IDQ, SQL Server 2016, Tidal, Oracle, MDM, MongoDB, DAC, PL/SQL, Toad, UNIX Shell Scripts.**

**Reinsurance Group of America, Chesterfield, MO** Mar 19– Apr 21

**Role: Sr Informatica Engineer**

**Responsibilities:**

* Interacted with **business analysts, architects and application developer** to analyze the data model and gathered the requirements.
* Used **Informatica Power CenterWorkflow manager** to create sessions, batches to run with the logic embedded in the mappings.
* Created complex mappings in Power Center Designer using **Aggregate, Expression, Filter, and Sequence Generator, Update Strategy, SQL, Union, Lookup, Joiner, XML Source Qualifier, Unconnected lookup transformations**.
* Created shell scripts to kick off **Informatica workflow/s and PL/SQL procedures**.
* Created **IICS** connections using various cloud connectors in administrator services and helped with configure Secure agent registry with **IICS** org
* Developed complex Informatica Cloud Taskflows with multiple mapping tasks and taskflows (parallel) in **IICS**
* Created **Database Triggers, Stored Procedure, Functions and Packages**.
* Extensively used debugger to trace the errors.
* Extensively tested the code and documented the **Unit Test Cases**.
* Assisted the testers in **system and integration testing** and preparing the **test cases** and **test plan.**
* Developed BTEQ Import, BTEQ Export, Fast Load, MultiLoad, Fast Export scripts and shell scripts to move data from source systems to staging and from staging to Data warehouse in batch processing mode in Teradata
* Created and used various Teradata Set Tables, Multi-Set table, global temporary tables, and volatile tables.
* Involved in data transformations, validations, extraction and loading process. Implemented various Teradata Join Types like Inner-join, outer-join, self-join and Merge-join
* Taking the backup of the **repository** at regular interval depending on the amount of work done.
* Extensively used **UNIX scripts and NoSQL** for automation of ETL process.
* Extensively worked on **tuning mappings** and reducing **processing times**.
* Worked with **DBA** to identify source and target bottle necks.
* Analyzed existing requirements and consolidated the reports for effective and efficient reporting.
* Involved in production support for the **data warehouse Informatica jobs**.
* Involved in **bug fixing. Debugged the issues during QA level**.
* Provided subject matter expertise on **Master Data Management and ETL Concepts**
* Responsible for driving **project management** through **technical decisions** related **to master data management**

**Environment: Informatica Power Center 9.5/9.1, Teradata 13, SQL, Oracle, CA Scheduling, UNIX Shell Scripting, Tortoise SVN, Putty, Toad, NoSQL, MongoDB, Tableau.**

**Centene Corporation, St Louis, MO** Jul 17 – Feb 19

**Role: Sr. DW ETL Informatica Consultant**

**Responsibilities:**

* Coordinating with source system owners, day-to-day **ETL progress monitoring**, **Data warehouse target schema Design** (Star Schema) and maintenance.
* **Designed Informatica mappings** by translating the business requirements.
* Worked with Business analysts and the DBA for requirements gathering, business analysis and designing of the data warehouse.
* Developed mappings for customers, **Investments** and **Risk analysis.**
* Developed **reusable Transformations**.
* Widely used Informatica client tools -- **Source Analyzer, Warehouse designer, Mapping designer, Transformation Developer and Informatica Work Flow Manager.**
* Used **look up, router, filter, joiner, stored procedure, source qualifier, aggregator and update strategy transformations** extensively.
* Assisted in adding **Physical conceptual data model** using **Erwin 4.0**.
* Analyzed business process workflows and assisted in the development of ETL procedures for moving data from source to target systems.
* Done extensive bulk loading into the target using Oracle **SQL Loader**.
* Used workflow manager for **session management**, **database connection management** and **scheduling of jobs**.
* Created robust and complex **Workflow and Worklets** using Informatica **Workflow Manager** and troubleshot data load problems
* Wrote complex **SQL** Queries, Triggers and Shell Scripts and NoSQL to apply and maintain the Business Rules.
* Translated business requirements into **Informatica mappings/workflows**
* Used **Source Analyzer** and **Warehouse designer** to import the source and target database schemas, and the **Mapping Designer** to map the sources to the target.
* Used Informatica Designer to create **complex mappings** using different transformations like **Source Qualifier, Expression, Lookup, Aggregator, and Update Strategy, Joiner, Filter and Router** transformations to pipeline data to Data Warehouse/Data Marts.
* Developed Mappings to extract data and monitored Daily, Weekly and Monthly Loads
* Assisted the team in the development of design standards and codes for effective **ETL procedure** development and implementation.
* Extensive performance tuning by determining bottlenecks at various points like **targets, sources, mappings and sessions**.
* Involved in the design, development and testing of the **PL/SQL stored** procedures, packages for the ETL processes.
* Involved in the process design documentation of the **DW Dimensiona**l Upgrades.
Installed and Documented the **Informatica Power Center setup** on multiple environments.
* Provided guidance for all **Master Data Management** (MDM) aspects involved in the development of EDW
* Responsible for understanding all development in the area of **MDM and ETL**

**Environment**: **Informatica Power Center 9.5 Work Flow Manager/Monitor, Oracle 11g/10g, SQL, PL/SQL, MDM, TOAD, SQL \* Loader**

**Ameriprise, Minneapolis, MN** Feb16 - Jul 17

**Role: Informatica Developer**

**Responsibilities:**

* Used **ETL process** to **Extract,Transform** and **Load** different source data into **stage area** and data warehouse.
* Designed and developed complex **mappings**, from varied transformations logic like **Unconnected and Connected lookups, Router, Filter, Expression, Aggregator, Joiner Update Strategy** and more.
* Designed and developed **Stored Procedure, and Sequence Generator** and created mappings.
* Experience in **creating mappings, sessions, workflows, reusable mapplets, worklets, scheduling and debugging the mappings**.
* Involved in **creating templates** in Word and Excel for status sheets, for capturing requirements and for various other purposes.
* Having extensive experience in **writing ETL technical documentation** and **testing documents** and maintain the source control
* Developed an **ETL Informatica mapping** in order to load data into staging area. Extracted from flat file and databases and loaded into Oracle target database.
* Performed **unit testing** to check if data loaded correctly from source to target tables
* Good Knowledge in Data warehousing concepts like **Star Schema, snowflake schema,** Dimensions and Fact tables.
* Optimizing Informatica **Mappings and Sessions** to improve the performance.
* Worked as a liaison between developer and end-users to resolve defects.
* Tuning the reports for better performance.
* Used to writing queries using **Toad and SQL** Developer tool.
* Extensively used **SQL, PL/SQL** to write stored procedures, functions, package and triggers.
* Involved in Review and Quality checking of other team members Code.
* Troubleshooting and Analysis of Defects and providing recommendations to the customer and actively participated in resolving the issues.
* Developed Test Plan including test scripts **for Unit, System, and User Acceptance Testing** including resolution of bugs.

**Environment: Informatica Power Center 8.6.1, ODI 11g, SQL, Oracle 10g/11g, BI Publisher, SQL Server2008, IBM I Series (DB2), MS Access, Windows XP, Toad, Cognos 8.4**.

**Elli Lily**, **Indianapolis, IN** Sept 14 - Jan 16

**Role: ETL Developer**

**Responsibilities:**

* Analyzed the existing business model.
* Created mappings using transformations such **as source qualifier, aggregator, expression, lookup, and router, filter and update strategy**.
* Responsible for tuning the Performance of Informatica **ETL mappings**.
* Implemented procedures/functions in PL/SQL for **stored Procedure Transformations**
* Interacted with business users on weekly basis in finalizing high-level **business requirements**.
* Prepared detail-level design documents based on the discussions to get sign-off from business.
* Analyzed the impact and provided estimations in PD's to Client whenever there was a change in client requirements.
* Created Informatica jobs to extract data from different external sources and populate into Data Warehouse tables/flat files by **transforming** the data as per **business requirements**.
* Involved in Unit testing and Integration testing of **Informatica workflows**.
* Analyzing the impact and providing the Estimations to Client in PD's whenever there is a change in the requirement.
* Provided the warranty support by interacting with production support teams.
* **Environment: Informatica 8.1, MS SQL Server 2005/2000, Win 2000, Flat Files, Oracle 8i, DB2, SQL, PL/SQL**.

**HDFC Bank -Bangalore, India** May 12- July 14

**Role: Informatica Consultant**

**Responsibilities**:

* Used **Informatica** as an **ETL** tool to create source/target definitions, **mappings** and **sessions** to **extract, transform and load** data into staging tables from various sources.
* Responsible for mapping and transforming existing feeds into the new data structures and standards utilizing **Router, Lookups (Connected, Unconnected), Expression, Aggregator, Update strategy&stored procedure** transformation.
* Responsible for identifying reusable logic to build several **Mapplets**, developed E-Mail Tasks in the **Workflow Manager** for sending successful or failure messages.
* Involved in documentation of the project activity all along the course of the project along with Failure Recovery plans.
* Designed and **developed UNIX scripts** for creating, dropping tables which are used for scheduling jobs.
* Created and Configured **Workflows, Worklets and Sessions** to transport the data to target warehouse tables using Informatica **Workflow Manager.**
* Scheduled workflows to **extract, transform and load** data into warehouse as per Business requirements.
* Improved the session performance by **pipeline partitioning**.
* Optimized the performance of the mappings by various tests on sources, targets and transformations.
* Developed Procedures and Functions in PL/SQL for ETL.

**Environment: Informatica Power Center/Power Mart 8.6, XML, DB2, Informatica Power Connect, Workflow Monitor, ,Windows 2000, Oracle 9i, PL/SQL Developer, SQL Server2000,Toad , Microsoft Excel**.

**Education:**

* Bachelors in Instrumentation Technology from B M Sreenivasaiah College of Engineering, Bangalore, India.