**Prashasth Sundaresh**

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**Professional Summary:**

* **7+ 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** databases on windows and UNIX platforms.
* Extensive knowledge in Data Extraction, Data Transformation and Data Loading (ETL) using **Informatica Power center** **9.5/9.1.1/8.6/8.1/7.1.**
* 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.
* Experience in Designing, Installing & Configuring core Informatica **MDM** Hub 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
* Strong expertise in Relational data base systems like **Oracle, SQL Server** design 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 resolving issues related to **performance tuning in developing 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.
* 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**.**
* Extensive work with **PL/SQL, performance tuning** of Oracle.
* Experienced with **Informatica Power Exchange (5.x/8.x/9.x)** for Loading/Retrieving data from mainframe systems.
* Good experience with configuring **Data Warehouse Administration Console (DAC)** for creating execution plans, metadata management and monitoring the Informatica ETL Process.
* Configured and registered the custom workflows in DAC.
* Developed Strategies for **Extraction Transformation Loading** (ETL) mechanism.
* Worked with Data warehouse Administration Console (DAC) to schedule and run full and Incremental ETL loads, to schedule the Informatica jobs, and to customize Execution Plans.
* Highly proficient in Data Modeling retaining concepts of **RDBMS, Logical and Physical Data Modeling and Multidimensional Data Modeling Schema** (**Star schema, Snow-Flake Modeling, Facts and dimensions**).
* Experience in working with the Heterogeneous data sources like Oracle, My SQL, Flat files, XML files, Web services.
* Configured different Source Systems of MDM tables in MDM Hub: Landing tables, Base Objects, Staging Tables, and Relationships Base Objects.
* Proficient in reporting tools as **Tableau** and SQL Server reporting services (**SSRS**).
* Expert-level mastery in designing and developing **complex mappings** to extract data from diverse sources including **flat files, RDBMS tables, legacy and COBOL Sources.**
* 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 the complex **SQL queries.**
* Expertise in developing Extract and Transformation mappings with various **ETL** tools.
* 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 9.1/8.6.1.1/7.1.2/6.2/6.1/5.1, Power Mart  5.0/4.7, Dataware House Builder, Abinitio. |
| **Operating Systems** | Windows XP/2000/NT/98/95, Windows 2003 server, MSDOS |
| **RDBMS** | Oracle 11g,10g/9i/8i/8.0, MS-SQL Server 2008/ 2005/2000/7.0/6.5 |
| **Data Modeling** | Star Schema Modelling, Snow-Flake Modelling, Erwin 4.1.4/3.5.2 |
| **Data Base Tools** | SQL Loader, MS Visio, MS Access |
| **Reporting Tools** | Tableau, SSRS, Web Intelligence, Business Objects XI/6.x/5.x, OBIEE 10.x/9.x |
| **Web Technology** | Web Technology HTML, CSS, Java script |
| **Languages** | SQL, PL/SQL, C, C ++, Java 1.2, XML. |
| **Scheduling Tools** | Unix Scheduler, Informatica Scheduler, Autosys. |

**Education:**

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

**Professional Experience:**

**Target, Minneapolis, MN Jul 15 - Till date**

**Role: Sr. ETL Developer**

**Responsibilities:**

* Interacted with Business Analysts to understand the requirements
* Analyzed the requirements and prepared optimize design.
* Involved in **ETL designing and coding**. Extensively used ETL to load data from **Oracle** database, **SQL** server, and Flat files to Teradata 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.
* Modified the existing **mappings and workflows** as per requirement changes and migrated them back to production environment.
* Created robust and complex **Workflow and Worklets** using Informatica **Workflow Manager** and troubleshot data load problems
* Wrote **SQL** Queries, Triggers and Shell Scripts 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 from **ODS to Data Mart**, and monitored Daily, Weekly and Monthly Loads.
* Designed and developed **unit test cases** 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**.
* Written documentation to describe program **development, logic, coding, testing** and changes made.
* 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, Setmin variable and Setmax variable.
* 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.,

**Environment: Informatica Power Center 9.5/9.1, Teradata 13 1, SQL Server 2008, Tidal, OBIEE 10g, Mercury Quality Centre 10.1, DAC, PL/SQL, Toad, MDM, UNIX Shell Scripts.**

**Shire Pharmaceuticals, Chester brook, PA May 14 – Jun 15**

**Role: Sr. ETL Developer**

**Responsibilities:**

* Interacted with **business analysts, architects and application developer** to analyze the data model and gathered the requirements.
* Involved in **Code reviews and determining Informatica standards** for **Mappings/Sessions/ Workflows.**
* 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 **Informatica Power Center** **Workflow 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 **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.**
* Taking the backup of the **repository** at regular interval depending on the amount of work done.
* Extensively used **UNIX scripts** 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, MDM, SQL, Sybase 15.x, CA Scheduling, UNIX Shell Scripting, Tortoise SVN, Putty, Toad, OBIEE.**

**Ameriprise, Minneapolis, MN Feb 13 – April 14**

**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**.
* 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**

**Eli Lilly, Indianapolis, IN Mar 12 - Jan 13**

**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**.

**HDFC Bank -Bangalore, India**  **April 11 - Feb 12**

**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**.

**Spencer’s**, **Bangalore, India**  **July 10 - Mar 11**

**Role: ETL/Informatica 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**.

**Lifestyle, Bangalore, India**  **Jun 09 – Jun 10**

**Role: ETL Analyst**

**Responsibilities:**

* Extensively used ETL to load data from Oracle database, Flat files to Data Warehouse.
* Involved in production support for the data warehouse Informatica jobs.
* Modified the existing mappings and workflows as per requirement changes and migrated them back to production environment.
* Automated Reports and generated documents using Scheduler.
* Created robust and complex workflow and worklets using **Informatica workflow manager** and troubleshoot data load problems.
* Wrote **SQL Queries, Triggers and Shell Scripts** 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.
* Involved in **Performance tuning**. Identified and eliminated bottlenecks (source, target, and mapping).
* Developed Mappings that extract data form ODS to Data mart and Monitored the Daily, Weekly and Monthly Loads.
* Created and monitored Sessions/Batches using Informatica Server Manager/Workflow Monitor to load data into target Oracle database.

**Environment: Informatica Power Center 8.1, Oracle 9i, PL/SQL, OBIEE, Toad, DAC, Windows.**