**ROMARSHA**

**Summary:**

* Over 7 years of IT experience in the field of Business/Data analysis, ETL Development, Data Modeling, Data Visualization, **Data Extraction, Data Transformation and Data Loading (ETL).**
* Extensive ETL tool experience using **Informatica Power center (8.1,8.5,8.6,9.1,9.6)/Power Mart, IBM Infosphere/WebSphere DataStage (7.5, 8.1, 8.7, 9.1), Ab Initio (Knowledge)**
* Extensive experience in writing **SQL** and **PL/SQL** scripts to validate the database systems and for backend database testing.
* Expertise in **OLTP/OLAP** System Study, developing Database Schemas like **Star Schema and Snowflake** Schema used in relational, **dimensional and multidimensional** modeling.
* Created **UNIX shell scripts** to run the Informatica workflows and controlling the ETL flow.
* **Software Development Life Cycle(SDLC)** experience including Requirements, Specifications Analysis/Design and Testing as per the Software Development Life Cycle
* Experience in Integration and extraction of data from various sources like **DB2, SQL Server, Oracle, Sybase, Teradata, MS Access, GreenPlum, Flat files into a staging area.**
* Experience in analysis, modeling, design, and development of **Tableau reports and dashboards** for analytics and reporting applications.
* Expertise in defining scope of projects based on gathered Business Requirements including documentation of constraints, assumptions, business impacts & project risks.
* Good team player, experience working with diverse international teams. Self-starter and motivated individual, can work under minimum supervision.

**Technical Skills:**

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| --- | --- |
| **Databases** | Oracle, MySQL, SQL Server, IBM DB2, MS Excel, MS Access **,Greenplum, Netezza, Teradata** |
| **ETL Tools** | **Informatica Power Center(8.1,8.5,8.6,9.1/ Power Mart)**,IBM InfosphereDatastage (7.5, 8.1, 8.7, 9.1,9.6) |
| **Languages** | RDBMS & HTML,T-SQL,PL/SQL,C/ C++, Visual C++, Visual Basic 6.0, HTML, XML |
| **Design Methodologies** | UML, OOP |
| **Reporting Tools** | Business Objects XIR13,**Tableau**, SQL Server Reporting Services, Excel Spread Sheets, Crystal Reports |
| **Application Packages** | MS Office, MS VSS. |
| **Quality Assurance**  **/Methodologies** | Agile, Waterfall, SCRUM, Test Plan, Test Strategy, Defect Tracking |

**Education:**

Bachelors in Technology SRM University, Chennai, India

**Experience:**

**Metropolitan Transportation Authority(MTA), New York, NY Jan 2015-Present**

**ETL Developer /Sr. Data Analyst**

**Responsibilities:**

* Used **Informatica power center 9.6** to Extract, Transform and Load data into **SQL Server Database** Warehouse from various sources like **Oracle, XML and flat files.**
* Documented, clarify, and communicate requests for change requests with the requestor and coordinate with the development and testing team.
* Designed and implemented data integration modules for **Extract/Transform/Load (ETL)** functions.
* Involved in data warehouse design, experience with various ETL, **data warehousing** tools and concepts.
* Involved in defining the **source to target data mappings(STTM)**, business rules and data definitions.
* Participated in the Analysis, Design and Development Phases of report development, performance tuning and production rollout for every report of Information Technology Department.
* Extensively involved in **Data Extraction, Transformation and Loading** (ETL process) from Source to target systems using **Informatica Power center 9.6.**
* Handled **very large database(VLDB)** from extraction till loading into the database successfully with use of different stages and transformations in **Informatica Power center 9.6**
* Used data analysis techniques to validate business rules and identify low quality missing data in the existing **enterprise data warehouse (EDW).**
* Worked on daily basis with lead **Data Warehouse** developers to evaluate impact on current implementation, redesign of all ETL logic.
* Working with data management and its analysis, exceptional skills in data querying on many different databases and using **BI applications**, also worked with manipulating existing **SQL queries** to account for the changes in business requirement.
* Coded **Unix Scripts** to capture data from different relational systems to **flat files and XML files** to use them as source file for ETL process
* Worked closely with Business and understand their needs on data, again the other part of my world is to work with IT **DBAs, BI Developers and analyst** to bring the required data to the customer (business) the best way possible.
* **Extensive experience in implementation of data cleanup procedure, transformations, scripts and execution of test plan for loading the data successfully into the target**
* Automated many manual process by writing scripts for **SQL queries, stored procedures and views**
* Write Complex **SQL queries** to reflect those rules and be able to validate the mappings by running these test scripts and checking if the data in target table populates correctly by writing **complex SQL queries.**

**Environment:** **Informatica Power center 9.6**, Oracle 10g/11g, MS Access 2013, MS Excel 2013, MS Word 2013, MS Outlook 2013, **Erwin, Crystal Reports**, **UNIX Scripting**, PowerPoint 2013, SharePoint,Windows NT.

**Fresenius Medical Care, Waltham, MA June 2013- Dec 2014**

**ETL Developer/Data Analyst**

**Responsibilities:**

* Implemented and followed a Scrum Agile development methodology within the cross functional team and acted as a liaison between the business user group and the technical team.
* Conducting BI applications and Database system study & coordinating with team members for system design, integration & application maintenance.
* Used **Type 1 SCD and Type 2 SCD** mappings to update **slowly Changing Dimension Tables** using **Informatica Power center 9.1.**
* Implemented **CDC (change data capture)** for inserting and updating **slowly changing dimension** tables in target for maintaining the history data.
* Experienced in developing parallel jobs using various Development/debug stages (Peek stage, Head & Tail Stage, Row generator stage, Column generator stage, Sample Stage) and processing stages (Aggregator, Change Capture, Change Apply, Filter, Sort & Merge, Funnel, Remove Duplicate Stage), **XML Output stage.**
* Involved in data validation of the results in **Tableau** by validating the numbers against the data in the database tables by querying on the database.
* Involved in **unit, system and end-to-end testing** of the design. Worked with DBA and Reporting team to generate **Materialized View of the data warehouse.**
* Designed and Optimized Data Connections, Data Extracts, Schedules for background Tasks and Incremental Refresh for the weekly and monthly dashboard reports on **Tableau Server**
* Provide support in developing and maintaining ETL processes that extract data from multiple SOR's residing on various technology platforms then transport the data to various delivery points such as **data marts** or data warehouses.
* Maintained a close and strong working relationship with team mates and management staff to achieve expected results for the project team
* Performing root cause analysis on data anomalies within the context of set business guidelines, documenting the analysis and providing updates to the ETL teamsInvolved in the Data Movement between Systems and validated the Business Requirements.

**Environment:** **Informatica Power center 9.1**, Oracle 10g/11g, MS Access 2007, MS Excel 2007, MS Word 2007, MS Outlook 2007, **Tableau Server v8/v7**, SharePoint, UNIX, Windows NT.

**College Board, Reston, VA Aug 2012 – May 2013**

**Data Analyst**

**Responsibilities:**

* Documented the complete process flow to describe program development, logic, testing,application integration, coding and implementation
* Analyzed and reviewed project documentation, business requirements to prepare detailed test schedules and plans.
* Extracting the data tables using custom generated queries from **Excel files, Access / SQL database** and providing exacted data as an input to **Tableau.**
* Responsible for developing, support and maintenance for the **ETL (Extract, Transform and Load)** processes using **Informatica Power Center 8.6**
* Involved in creating database objects like **tables, views, procedures, triggers,** functions using SQL to provide definition, structure and to maintain data efficiently.
* Consistently demonstrated the capability of efficiently working on multiple projects with different hierarchy of professionals such as Owners, Leader, Project Managers, Testers, and Vendors and at different stress-levels
* Involved in Data mapping specifications to create and execute detailed system.
* Involved in Functionality testing during the various phases of the development
* Validated the system **End-to-End Testing** to meet the Approved Functional Requirements
* Performed quality assurance reviews on all System Development Life Cycle.
* Participated in defect review meetings with the team members. Used MS-Word for documentation.

**Environment:Informatica Power center 8.6**, Oracle 10g/11g, MS Access 2007, MS Excel 2007, MS Word 2007, MS Outlook 2007, **Tableau Server v8/v7**, SharePoint, UNIX, Windows NT.

# Accenture Services Private Limited, Bangalore India Nov 2010 - July 2012

**Client: Bankof America (Austin, Texas)**

**Role: ETL Developer**

**Responsibilities:**

* Involved in Designing, developing, testing of parallel, server and sequence jobs using Datastage (8.5) and loaded the data into the **Teradata database**.
* Extensively worked on DataStage Job Sequencer to Schedule Jobs to run jobs in Sequence.
* Used Built-in, Plug-in and Custom Stages for extraction, transformation and loading of the data, provided derivations over DS Links.
* Used **UNIX scripts** to execute jobs and also used the DataStageDirector for scheduling, executing and monitoring jobs.
* Implemented **Shared container** for multiple jobs and Local containers for same job as per requirements.
* Debug, test and fix the transformation logic applied in the parallel jobs
* Involved in creating **UNIX shell scripts** for database connectivity and executing queries in parallel job execution.
* Work directly with management, vendors, and third parties to ensure that Web-site’s financial transactions and database management applications operate at peak efficiency.
* Used the ETL Data Stage Director to schedule and running the jobs, testing and debugging its components & monitoring performance statistics.
* Performed performance tuning of the jobs by interpreting performance statistics of the jobs.
* Extraction of test data from tables and loading of data into **Teradata tables**

**Environment: DataStage Enterprise Edition** (8.1, Designer, Director, Manager, Parallel Extender), Windows Server 2003, IBM DB2 Mainframe **Teradata**, **GreenPlum**, SQL, PL/SQL, Toad, Oracle 10g, Quality Center, SQL Loader, UNIX, Windows NT.

# Accenture Services Private Limited, Bangalore India Oct 2009 - Sep 2010

**Client: WindTelecommunication(ITALY)**

**Data Analyst**

**Responsibilities:**

* Involved in managing, Requirements gathering, architecting the different jobs and also writing **complex queries and stored procedures**
* Understanding the business functionality & Analysis of business requirements
* Involved in general db administration, query performance tuning and validating the existing schema.
* Consistently demonstrated the capability of efficiently working on multiple projects with different hierarchy of professionals such as Owners, Leader, Project Managers, Testers, and Vendors and at different stress-levels
* Involved in Functionality testing during the various phases of the development
* Worked on different tasks in Workflow Manager like Sessions, Events raise, Event wait, Decision, E-mail, Command, Worklets, Assignment, Timer and Scheduling of the workflow
* Used shortcuts to reuse objects without creating multiple objects in the repository and inherit changes made to the source automatically
* Validated the data of reports by writing **SQL queries in PL/SQL Developer against ODS**

**Environment: DataStage Enterprise Edition (7.5)**, Windows Server 2003, IBM DB2 Mainframe SQL Server 7.0, SQL, PL/SQL Oracle 10g, Quality Center, SQL Loader, UNIX, Windows NT.