**Prabir Kumar Parida – Senior ETL Developer**

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**Professional Experience Summary**

* **18+ years** of experience in analysis, design, development of various Data Warehousing and Business Intelligence technologies. Hands on experience include developing **Data Warehouses/Data Marts/Data Lakes/ODS** within **BFSI** industries.
* **Primary technical Skills**: **Snowflake**, **Teradata** (TD17/TD14/TD12),**Informatica** Power center (10.2,9.6/9.0.1/8.6/8.1), **Matillion ETL**, **Hadoop Ecosystem**, **HDFS**, **HIVE**, SQL Server, Sybase and **Oracle** (7.x to 11g),SQL,PL/SQL.
* Involved in **full lifecycle** implementation of multiple **projects**, including requirement gathering, system designing, application development, enhancement, deployment, maintenance and support.
* Hands on experience in Teradata ( **Teradata SQL Assistant, BTEQ, Fast Load, MultiLoad, TPump, Fast expo**rt) in a Data Warehousing Environment.
* Strong experience in **Teradata Database design**, **Implementation and Maintenance** mainly in large-scale Data Warehouse environments.
* Expert in Coding **Teradata SQL, Teradata Stored Procedures, Macros** and **Triggers.**
* Strong SQL experience in Teradata from developing the ETL with **Complex tuned queries** including analytical functions and BTEQ scripts.
* Extensively worked on Query tools like **SQL Assistant, SQL Developer**.
* Proficient in **Informatica Power Center tools - Designer, Repository Manager, Workflow Manager, and Workflow Monitor etc.**
* Experience working in **Teradata and Hadoop ecosystem leveraging Unix, HDFS, Hive** replicating data from **Teradata to VMG Yahoo Platform**.
* Skilled in Business Intelligence domain on ETL technologies and worked on all phases of data warehouse development lifecycle, from gathering requirements, ETL design and implementation to Enterprise Reporting.
* Estimable technical and analytical skills with clear understanding of ETL design and project architecture based on reporting requirements.
* His focus areas have been analyzing the requirement specifications, Design, development of ETL codes, Testing, Peer Reviews, performance tuning, UAT support and implementation.
* Worked on projects in waterfall and agile methodology.
* Excellent problem solving skills, good communication and interpersonal skills.
* Experience in working with multiple vendors and geographically distributed teams.

**Key Domain and Technical Knowledge**

* **Domain**  : **Banking & Financial services, Risk Management, Basel & Regulatory Reporting**
* **Technical** : **ETL: Informatica Power Center V10.2, Matillion**

**Scripting Languages**: **UNIX-Shell Scripting**

**Database: Snowflake, Teradata**, **Oracle, Sybase, Sql Server**

**Devops Tools: GITHUB, BITBUCKET, STASH,JIRA**

**Scheduler: Autosys, ESP**

**Tools: Hadoop Ecosystem** , **HDFS**, **HIVE , Jira, Teradata SQL Assistant, BTEQ, Fastload, MultiLoad, Fast Export, Teradata SQL Assistance, SQL Loader, TOAD 8.0,SQL Developer, MS Visio, Oracle Pl/SQL**

**Certifications / Professional Awards:**

* Certified in **Informatica Powercenter**
* Exam U: PowerCenter 8 Advanced Mapping Design
* Exam S: PowerCenter 8 Mapping Design

**Educational Qualifications:**

* B. Tech in Electrical Engineering from CET, Bhubaneswar in 2002

**Recent Projects worked on:**

**Project Title: Invoice Surcharge Redesign Conversion Project**

**Client: Waste Management**

**Duration: From Nov 2022 till date**

**Role: Senior ETL Developer(Snowflake & Matillion)**

**Description**: This project is to generate Snowflake extracts for Invoice Surcharge Redesign Conversion Program to include Energy related surcharge and calculations for different Screens for MAS Billing system using Cloud ETL tool Matillion. The billing related data comes from MAS(IBM DB2 source) to Snowflake Datawarehouse through AWS data Replication process. As part of this project as per the business requirement the ETL is built to generate the extract columns from multiple Snowflake ODS schema tables to load into new target tables which is used by business for calculations providing old surcharge value & new surcharge values for analysis & further processing. The new calculated values are also sent to MAS again for validation through another layer of ETL using Informatica.

**Role and Responsibilities:**

* As a Part of this project, analyze the business requirement & understand the current Invoice Surcharge calculation logic & Redesign as per the new To Be surcharge values keeping make sure there is no change in the Billing amount from Customer point of view.
* Identifies, analyzes, and interprets trends or patterns in complex data sets.
* Create the ETL mapping document(STM) understanding the business requirement for each MAS Screen as per WM Standards.
* Creating Matillion ETLs as per Source to Target mapping pulling the data from Snowflake Newton Datawarehouse ODS schema & loading to new target tables in Snowflake XFORM database.
* Tuning of Snowflake SQL statements to minimize the ETL run time like Creating many temporary tables,CTEs,using joining the correct columns.
* Developed number of complex **Informatica Mappings, Mapplets and Reusable Transformations** for different types of screens for Daily, Monthly, and Yearly Loading of Data.
* Extensively used of **Performance tuning** techniques to minimize the run time and create pre-session caches with load being balanced on server.
* Responsible for ETL design, development, testing and review of code along with supporting documents like unit test cases and Runbook,Prod support hand over documents like technical specifications documents.

**Project Title: Trade Correction Hive to Teradata Migration**

**Client: Morgan Stanley**

**Duration: From Apr 2022 till Oct 2022**

**Role: Senior ETL Developer**

**Description**: This project is to migrate the existing Hive Ecosystem to Teradata for the Trade Correction project for Wealth management Technology Initiative. The current Trade correction system gets the data from multiple systems data available in RAW & REFINERY Data lake. Currently the UI response time is slow so the client has decided to switch the Data lake to Teradata EDW architecture. As part of the this project we are rewriting all the Hive SQL in Teradata and making data available in final tables for UI population. The Trade Correction happens for multiple products like Equity, Trade ,Option & Mutual Fund.

**Role and Responsibilities:**

* As a Part of SQL migration team understand the current Hive Ecosystem architecture & analyse the current ETP process and plan for converting the the code base in Teradata.
* Selects, configures and implements analytical solutions, develops and implements data analytics, data collection systems, and other strategies that optimize statistical efficiency and quality.
* Identifies, analyzes, and interprets trends or patterns in complex data sets.
* Development of scripts for loading the data into the base tables in EDW using Fastload, **MultiLoad and BTEQ utilities** of Teradata.
* Collected **Multi-Column Statistics** on all the **non-indexed columns** used during the join operations & all columns used in the residual conditions.
* Tuning of Teradata SQL statements using Explain analyzing the data distribution among **AMPs** and **index** usage, collect statistics, definition of **indexes**, revision of correlated sub queries, usage of **Hash functions**, etc.
* Used **BTEQ** and **SQL Assistant** (Query man) front-end tools to issue SQL commands matching the business requirements to **Teradata RDBMS.**
* Developed number of complex **Informatica Mappings, Mapplets and Reusable Transformations** for different types of studies for Daily, Monthly, and Yearly Loading of Data.
* Extensively used of **Performance tuning** techniques to minimize the run time and create pre-session caches with load being balanced on server.
* Responsible for ETL design, development, testing and review of code along with supporting documents like unit test cases and hand over documents like technical specifications documents.

**Project Title: Enterprise Datawarehouse(EDW) Application Development**

**Client: Verizon Data Services, Tampa, FL**

**Duration: From Nov 2019 till Mar 2022**

**Role: Senior ETL Developer**

**Description**: This project is to implement the Enterprise data warehouse of consolidating all the Billing data in the EDW data warehouse & provide the billing information’s to the downstream applications. The Data Services Operating Model that will be established and stabilized across all data sources that will be providing data to Strategic Data Repositories (SDRs) and Approved Data Sources (ADSs) of Verizon Data Services through the central infrastructure for Verizon Billing Data warehouse.

**Role and Responsibilities:**

* As a Part of Data Engineering team within the Artificial and Intelligence (AI&D) organization which focuses on delivering the power of data and AI to drive our marketplace leadership through innovative solutions that create value for our customers, shareholders, V teamers and society, responsibly of VZ Data Services Team, taking responsibility for developing enablement strategies for effective data analysis and reporting.
* Selects, configures and implements analytical solutions, develops and implements data analytics, data collection systems, and other strategies that optimize statistical efficiency and quality.
* Identifies, analyzes, and interprets trends or patterns in complex data sets.
* Provide design, extract transformation load (ETL) development and data management support for targeted Big Data / Cloud analytics applications using best practices.
* Experience working **in Hadoop, Teradata and Cloud ecosystem leveraging Unix, HDFS, Hive replicating data from Teradata to VMG Yahoo Platform.**
* Monitors performance and quality control plan to identify performance.
* Works on problems of moderate and varied complexity where analysis of data may require adaptation of standardized practices.
* Works with management to prioritize business and information needs.
* Development of scripts for loading the data into the base tables in EDW using Fastload, **MultiLoad and BTEQ utilities** of Teradata.
* Collected **Multi-Column Statistics** on all the **non-indexed columns** used during the join operations & all columns used in the residual conditions.
* Tuning of Teradata SQL statements using Explain analyzing the data distribution among **AMPs** and **index** usage, collect statistics, definition of **indexes**, revision of correlated sub queries, usage of **Hash functions**, etc.
* Used **BTEQ** and **SQL Assistant** (Query man) front-end tools to issue SQL commands matching the business requirements to **Teradata RDBMS.**
* Developed number of complex **Informatica Mappings, Mapplets and Reusable Transformations** for different types of studies for Daily, Monthly, and Yearly Loading of Data.
* Extensively used of **Performance tuning** techniques to minimize the run time and create pre-session caches with load being balanced on server.
* Responsible for ETL design, development, testing and review of code along with supporting documents like unit test cases and hand over documents like technical specifications documents.
* Coordinated with multiple vendors from geographically distributed teams for a successful development, testing and deployment of a single project.

**Project Title: BCBS (Basel Committee on Banking Supervisions)-part 30 Implementation**

**Client: Citi Group, Tampa, FL**

**Duration: From July 2017 till Oct 2019**

**Role: Senior ETL Developer**

**Description**: This project is to implement BCBS - Part30 Capabilities Implementation in partnership with Finance Risk Infrastructure, Chief Data Office and Global Functions Technology Services (GFTS) implementing the Data Services Operating Model that will be established and stabilized across all data sources that will be providing data to Strategic Data Repositories (SDRs) and Approved Data Sources (ADSs) of Citi through the central infrastructure for Regulatory and Management reporting.

**Role and Responsibilities:**

* Lead and guide development of an ETL based architecture.
* Development of Databridge solution for Citi consumers like Citi Insight & RegInsight.
* Extensively used of **Performance tuning** techniques to minimize the run time and create pre-session caches with load being balanced on server.
* Designing and implementing Data Warehouses/ Data Marts, Operational Data Stores (ODS) , Business Intelligence and Analytic solutions to meet functional and performance related requirements and specifications
* Technical leadership for large complex projects that includes several developers and consists of technical and business resources from other teams. Mentor and help develop technical competency
* Responsible for ETL design, development, testing and review of code along with supporting documents like unit test cases and hand over documents like technical specifications documents.
* Coordinated with multiple vendors from geographically distributed teams for a successful development, testing and deployment of a single project.

**Project Title: Orion-PCM Implementation-(Phone Channel Modernization)**

**Client: Capital Group Companies, Irvine, CA**

**Duration: From May, 2016 to June 2017**

**Role: ETL Developer (Informatica,Oracle,Unix)**

**Description**: The project is to integrate or implement new data sources available within Genesys system to the AFBI to maintain the existing ASPECT call reporting capabilities through new Genesys interaction data. As part of the AFS Phone Channel Modernization (PCM), Genesys Call Data Sourcing project involves collating the following data in ORION into one data warehouse platform (LASR): Genesys Call data, Customer Interaction History data, Capital Group’s Person data. This will act as the foundational data source for several business needs across AFS. Procure the following data elements from Genesys & ORION and load into the LASR Data Reservoir, data warehouse or Data marts: Bridge existing Genesys call data from ORION to LASR. Bridge Customer Interaction History data (Advisor and Investor information, Reason for call etc.) from ORION to LASR. Bridge other Dimensional Attributes related to calls subject area (Site, Cost center, Time period, Associate etc.) from ORION to LASR. Implement Call volume fact table for Genesys data (Master call and Segment perspective) in LASR. Bridge ASPECT Historical data elements from ORION to LASR.

**Role and Responsibilities:**

* Lead and guide development of an Informatica based ETL architecture
* Designing and implementing Data Warehouses/ Data Marts, Operational Data Stores (ODS) , Business Intelligence and Analytic solutions to meet functional and performance related requirements and specifications
* Technical leadership for large complex projects that includes several developers and consists of technical and business resources from other teams. Mentor and help develop technical competency
* Responsible for ETL design, development, testing and review of code along with supporting documents like unit test cases and hand over documents like technical specifications documents.
* Coordinated with multiple vendors from geographically distributed teams for a successful development, testing and deployment of a single project.

**Project Title: OFSAA Implementation for Regulatory Reporting**

**Client: American Express,Phoenix,USA**

**Duration: From June 2015 to till Apr 2016**

**Role: ETL Tech Lead (Informatica, Oracle,Unix)**

**Project description** – Improving Regulatory Compliance Efficiency, Reporting Accuracy and improving Core Finance Processes. This process eliminates the Manual work of submitting the Regulatory Reports by Controllership and involved in automating the entire end-end processing such as Sourcing, Processing and Reporting.

**Role and Responsibilities:**

* Creating design and mapping documents based on the requirements analysis, clarifying queries regarding requirements.
* Developing ETL code, Unit testing, Peer Reviews, Integrating Testing and UAT support.
* Gap Analysis for discrepancies between multiple systems, and identification of root cause
* Implementation of Data loading through Informatica from the source systems.

**Project Title: Implementation of Basel II –Information Delivery Network**

**Client: American Express, Phoenix, USA**

**Duration: From July 2011 to till May 2015**

**Role: ETL developer (Informatica,Oracle,Unix)**

**Project description** Implementing ODS creation from DB2 EDW using Informatica, creation of DataMart’s from ODS, creation of reporting layer for calculation of Risk weighted Assets.

**Role and Responsibilities:**

* Creating design and mapping documents based on the requirements analysis, clarifying queries regarding requirements.
* Developing ETL code, Unit testing, Peer Reviews, Integrating Testing and UAT support.
* Gap Analysis for discrepancies between multiple systems, and identification of root cause
* Implementation of Data loading through Informatica from the source systems.

**Project Title : MGI Datamart Development**

**Client: Moneygram International.USA**

**Duration: Jan 2009-June2011**

**Role: ETL developer (Informatica,Oracle)**

**Project description :** Monegram International(MGI) was developing integration solution for reporting datamart from existing ORA-APPS source system.

**Responsibilities:**

* Have created mappings, workflows in Informatica as part of the ETL built to load data from ORA-APPS to ODS & ODS to Datamart.
* Have created mappings, workflows in Informatica as part of the ETL built to load data from datamart to downstream applications.
* Have lead the team and mentored the juniors and new joiners in the team on Data Modelling concepts.

**Project Title: Implementation of Basel II –Retail Asia**

**Client: ABN AMRO, AMS,Netherlands**

**Duration: From July 2004 to till Dec 2008**

**Role: Data engineer (Informatica,Oracle,Unix)**

**Project description :** Implementing ODS creation from DB2 EDW using Informatica, creation of DataMart’s from ODS, creation of reporting layer for calculation of Risk weighted Assets.

**Role and Responsibilities:**

* Creating design and mapping documents based on the requirements analysis, clarifying queries regarding requirements.
* Developing ETL code, Unit testing, Peer Reviews, Integrating Testing and UAT support.
* Gap Analysis for discrepancies between multiple systems, and identification of root cause
* Implementation of Data loading through Informatica from the source systems.