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| **RUSHIKESH DAHIWALE** **ETL LEAD DEVELOPER**Contact +1 609-964-0354Email: rushikeshdahiwale@gmail.com |  |

**SUMMARY:**

* Around 11+ years of IT experience in **ETL Architecture, Development, Enhancement, Maintenance, Production support, Data Modeling, Reporting**including**Business requirement, system requirement gathering** of Enterprise Data warehouses for I**nsurance, Sales, Entertainment and Finance** domains.
* Hands on experience using **Informatica Power Center** **8.x**/7.x/6.x, **DataStage 7.5.2(Parallel Extender), SSIS**and **Business Objects**.
* Expertise in designing and developing Informatica mappings from varied transformation logic using filter, expression, rank, router, aggregator, joiner, lookup, and update strategy.
* Expertise in Developing Mappings, Define Workflows &Tasks, Monitoring Sessions, Export & Import Mappings and Workflows and Backup, Recovery.
* Experience in Extraction, Transformation and Loading of data from heterogeneous source systems like **Flat files**, **Excel**, **XML**, **VSAM, Mainframe Files, SAP R3** , **UDB DB2**, **Oracle**, **SQL Server**, **Teradata**.
* Experience in Data Modeling using Dimensional Data modeling, **Star/Snowflake Schema** modeling, **FACT** and **Dimensiona**l tables, **Physical** and **logical data modeling**, using **Erwin**
* Extensively Implemented **Error Handling Concepts, Testing, Debugging skills**and **Performance tuning** of targets, sources, transformation logics.
* Expertise in doing the **RCA (Root Cause Analysis)**and resolving**performance bottlenecks** and enhance for optimization of the **mappings, sessions and workflows**.
* Experience in working with **UNIX Shell** scripts, **Linux scripts**, **Batch scripts** and necessary Test Plans to ensure the successful execution of the data loading process
* Strong skills in analyzing the database design, Coding using SQL and PL/SQL, **DB2 UDB, Oracle 10g / 9i / 8i / 8.0, SQL Server, Teradata V2R5, SQL\*Plus and Sybase database** applications. Coded Stored Procedures, Packages and Triggers using PL/SQL.
* Ability to coordinate the flow of development initiatives and Experience in Requirement Analysis, Design, Development, all the phases of Testing like Unit testing, Integration Testing, Regression testing, Performance, Acceptance testing.
* Experience in **PVCS, Virtual Source Safe (VSS), Clear Case and TFS**for version controlling and promoting the code to higher region.
* **Automation, Scheduling and monitoring**of jobs with scheduler**AutoSys.**
* Management skills include Team Management, Project Planning, Monitoring, and self-starter with good communication skills and ability to work independently and as part of a team.
* Ability to adjust to the people, circumstances & responsibility, with a Drive for results through self-motivation & self-candor.

**SOFTWARE/ HARDWARE:**

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| * **ETL**
 | * Informatica PowerCenter (9.1,9.6,10.1) Sapirian MDM, IBM CDC
 |
| * **ELT**
 | * Netezza TwinFin, IBM PureSystem
 |
| * **Databases**
 | * Oracle (9i,10g,11g,12c), Netezza, Sql Server, Couch Base
 |
| * **Languages**
 | * UNIX Shell Script, SQL, PL/SQL
 |
| * **Middleware**
 | * Forms 9i, Reports 9i, Oracle D2K
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| * **Operating Systems**
 | * Windows, HP-Unix, Linux
 |
| * **Project Management**
 | * ITIL 2011, PRINCE2 Practitioner, Agile SCRUM, KANBAN
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| **Professional Activity**  |
| **Certification Completed**  | * CSM, ITIL 2011, PRINCE 2 Foundation, PRINC2 Practitioner, Oracle SQL 9i
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| **Certification Perusing**  | * Data Science
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| **Training Conducted**  | * Architecture of Netezza and ETL & ELT process
* Oracle SQL & PL/SQL
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 **EDUCATION**

* **Bachelor of Engineering, Shivaji University, Maharashtra, India.**

 **PROFESSIONAL EXPERIENCE**

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| **Client Name**  |  **: Waste Management [Retail Manufacturing]**  |
| **Location**  | **: Houston, TX** |
| **Role**  |  **: ETL lead**  |
| **Technical Environment**  |  **: Informatica 10.1, Netezza, Oracle 11g, 12c, Sql Server, Unix, Control-M**  |
| **Project Duration**  |  **: January 2011 - till date (8 years 3 months)**  |
|  **Team Size**  |  **: 20**  |

 **Responsibilities:**

* As an ETL Tech lead, lead the ETL development for enhancements in Insurance Data warehouse.
* Working closely with the business users to understand the requirements and converting them into project level technical capabilities.
* Worked with business analysts to identify the appropriate data elements for required capabilities.
* Update the status and plan the releases through the scrum meetings.
* Coordinating with offshore team and providing the inputs.
* Worked with source teams to find out the source team changes.
* The project involved developing mappings for moving data from **AS/400 and Flat files to Staging Area (STG) and then to Data Warehouse (DWH)**and then to **Data Mart**.
* Developing the **ETL detail design documents** for each target tables (Fact and dimension tables).
* Creating primary objects (tables, views, indexes) required for the application
* Designing ETL jobs. Used Informatica as ETL tool.
* Designed and developed complex mapping for varied transformation logic like Expression, Filter, Aggregator, Router, Joiner Update Strategy, Unconnected and Connected lookups
* Used **Informatica Debugger** to troubleshoot logical errors and runtime errors.
* Designed and developed common modules for error checking (e.g. to check if the reject records output file is empty and to check if there are duplicate natural keys in a given table.)
* Performed the tuning at source, Target and informatica mappings using Indexes, Hints and Partitioning in DB2, SQL Server and Informatica.
* Prepared Test Plans for Unit test and System Integrated testing of Informatica Session and Workflows.
* Co-ordinate with the QA team in various testing phases by resolving the defects and ensuring smooth execution of the test plans.
* Creating the deployment documents and migrating the code to the production environment.
* Investigating and fixing the bugs occurred in the production environment and providing the on-call support

**Environment:**Informatica 8.6.1, SQL Server 2008, Windows NT/2000, Cognos 8.4, Erwin, SSIS, Autosys

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|  **Client Name**  |  **: Citi Bank [Trade Banking]** |
| **Location** | **: Mumbai, India** |
|  **Role**  |  **: Associate Consultant**  |
|  **Technical Environment**  |  **: Oracle PLSQL, Oracle 10g, pro\*c, Informatica 8.6**  |
|  **Project Duration**  |  **: June 2010 - January 2011 (8 months)**  |
|  **Team Size**  |  **: 15**  |

**Client Summary**

TRIMS is an intelligent MIS system used handling the end to end Trade transactions with the banks perspective having full fledge functionalities suitable for all kinds of actors in the business. It mainly revolves around Letter of credit (LC), Bills and other important documents. The Maker/Checker modules have been developed in TRIMS for all functionalities for assuring the secured transaction processing.

**Role and Responsibilities**

* Interacting with the business analysts to get the business Requirements, reporting needs and creating Business Requirement Document.
* Performed Source System Data analysis as per the Business Requirement. Distributed data residing in heterogeneous data sources is consolidated onto target Enterprise Data Warehouse database.
* Developed **Mappings, Sessions, Workflows and Shell Scripts to extract, validate, and transform** data according to the business rules.
* Identify the **Fact tables and slowly changing dimensional tables** for **PLDW data warehouse.**
* Building the necessary staging tables and worktables on **oracle development environment.**
* Sourced the data from **XML files, flat files, SQL server** tables and **Oracle**tables.
* Made substantial contributions in simplifying the development and maintenance of ETL by creating re-usable Mapplets and Transformation objects. Partitioned the sessions to reduce the load time.
* Lead an offshore team of six members.
* Performed data cleansing and cache optimization
* Developed complex mappings in Informatica to load the data from source files using different transformations like **Source Qualifier, Look up (connected and unconnected), Expression, Aggregate, Update Strategy, Joiner, Filter, Stored Procedure, normalizer, Router and Mapplets**.
* **Change Data Capture** for Incremental Aggregation.
* Created **Slowly Changing Dimension (SCD) Type 2** mappings for developing the dimensions to maintain the complete historical data.
* Developed Mappings that extract data to Data Warehouse and monitored the **Daily, Weekly, Monthly and Quarterly Loads.**
* Created **High level/detailed level**design documents and also involved in creating ETL functional and technical specification.
* Documented ETL development standards as per client requirement.
* Involved in review of the mappings and enhancements for better optimization of the Informatica **mappings, sessions and workflows**.
* Extensively worked in **performance tuning** of programs, ETL procedures and processes.
* Worked on **Key-Range, Round-Robin, Pass-through and Hash Auto-Keys partitions** at PowerCenter session level.
* Performed Unit, Systems and Regression Testing of the mappings. Involved in writing the Test Cases and also assisted the users in performing UAT.
* Extensively used **UNIX shell scripts** to create the **parameter files** dynamically and scheduling jobs using **AutoSys**.
* Created integration services, repository services and migrated the repository objects.
* Used **PMCMD**command to **automate** the PowerCenter sessions and workflows through UNIX.
* **Query based optimization; Cost based optimization**.
* Used heterogeneous data sources **Oracle**, **DB2, and XML Files, Flat Files** as source also imported stored procedures from Oracle for transformations.
* Provided production support and maintenance for all the applications with the ETL process.
* Used web based bugtracking tool **Mercury Quality center** for tracking and supporting the maintenance and development tasks (CR).
* Wrote test plans and executed it at UNIT testing and also supported for system testing, volume testing and USER Acceptance Testing.

**Environment:**Informatica Power Center 8.3, Oracle 10g, Toad, shell scripts, PL/SQL, UNIX (AIX) and Erwin**.**

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|  **Client Name**  |  **: ICICI Lombard [General Insurance]**  |
| **Location** | **: Mumbai, India** |
|  **Role**  |  **: Software Analyst**  |
|  **Technical Environment**  |  **: Oracle PLSQL, Oracle 10g, Oracle Forms – Reports 6i**  |
|  **Project Duration**  |  **: March 2010 – June 2010 (4 months)**  |
|  **Team Size**  |  **: 6**  |

 **Roles and Responsibilities**

* Analyzing the existing informational sources and methods, understanding the customer expectations and identifying the problem areas
* Extensively used **DataStage Designer**, **DataStage Director**, **DataStage Administrator** and **Quality Stage**.
* Involved during the analysis, planning, design, development, and implementation stages of projects using IBM Websphere software (Qualitystage, IBM Information Analyzer).
* Designed, coded, and tested the **Information Server** components
* Designed and developed DataStage jobs using **Parallel Processing** techniques by implementing **Pipeline** and **Partition Parallelism** on a **MPP** system.
* Used Datastage Enterprise Edition/Parallel Extender stages namely **Datasets**, **Sort**, **Lookup**, **Change Capture**, **Funnel, Row Generator** stages in accomplishing the ETL Coding.
* Developed user defined Routines and Transformations using Ascential DataStage **Manager**
* Tuned the jobs for higher performance by dumping the look-up data into hash-file.
* Coordinated with Database Admin to create appropriate indexes for faster execution of jobs.
* Used **Administrator** to administer the locks on the jobs and other Administration activities for DataStage Server.
* Developed **UNIX shell scripts** to automate the Data Load processes to the target
* Developed jobs to load data in slowly changing dimensions.
* Involved in **Performance Tuning of Jobs**.
* Assisted operation support team for transactional data loads in developing SQL & Unix scripts
* Used import/export utilities to transfer data from production instance to the development environment.
* Participated in discussions with Project Manager, Business Analysts and Team Members on any technical and/or Business Requirement issues
* Obtained detailed understanding of data sources, flat files and complex data schemas
* Extensively used **DataStage Director** for Job **Scheduling, Emailing production support** for Troubleshooting from LOG files
* Extensively worked on Error handling, cleansing of data, Creating Hash files and performing lookups for faster access of data.

**Environment**: DataStage 7.5.2 Parallel Extender, IBM Information Server, Quality Stage, Information Analyzer, UNIX Shell Scripts, Sybase, Oracle 9i, Windows NT/2000**.**

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|  **Client Name**  |  **: Taj Sats, Oberoi, Mars [Flight Kitchen]**  |
| **Location** | **: Mumbai, India,** |
|  **Role**  |  **: Programmer**  |
|  **Technical Environment**  |  **: Oracle PLSQL, Oracle 10g, Oracle Forms – Reports 6i**  |
|  **Project Duration**  |  **: March 2008 – March 2010 (2 years)**  |
|  **Team Size**  |  **: 4**  |

 **Client Summary**

Catering system, designed for Flight Kitchen’s. The main function of the system is to enable the clients to get the details of how much meals must supply to individual flights of airline for number of passengers have booked the tickets.

Billing System, the main function of the system is to prepare the periodic bills for the meals / items supplied to individual flights.

Bonds software, designed to maintain the inventory of goods for industry like Flight Kitchen’s wherein they receive the non-salable goods in the form of bulk consignments for individual international airlines which they again re-export the same on every single international flight departure.

 **Roles and Responsibilities**

* Involved in all the phases of the SDLC requirement gathering, design, development, Unit testing, UAT, Production roll-out, enhancements and Production support.
* Interacting with the business representatives to understand the requirements and determine the best approach for timely delivery of information. Writing the Software Requirement Specification for the Business requirement.
* Ensuring timely deliveries of work items to the Client.
* Involved in Implementing ETL standards and Best practices.
* Used the DataStage Designer to develop processes for extracting, cleansing, transforming, integrating, and loading data into data warehouse database.
* Obtained detailed understanding of data sources, flat files and complex data schemas
* Developed jobs using different types of stages -- Sequential File, Transformer, Aggregator, Merge, IPC, Link Partitioner and Link Collector and Hashed File.
* Extensively worked on Error handling, cleansing of data, Creating Hash files and performing lookups for faster access of data.
* Used DataStage Manager for importing metadata from repository, new job categories and creating new data elements. Created Re-usable repository and routine using DataStage Manager.
* Performance Tuning of Jobs, Stages, Sources and Targets.
* Used DataStage Administrator to setup DataStage projects and defined DataStage user profiles and assigned privileges.
* Extensively used DataStage Director for Job Scheduling, emailing production support for troubleshooting from LOG files.
* Developed Routines using DataStage BASIC programming language.
* Migrated jobs from development to QA to Production environments.
* Defined production support methodologies and strategies.
* Logging in the different issues related to the development phase.

**Environment**: DataStage 7.5.2, SAP, Quality Stage, WISD, COBOL, IMS, Sybase, DB2 UDB, Oracle 9i, UNIX Shell Scripts, Windows NT/2000.