

Senior DWH/ETL Developer



Name: MALHAR PARVE
Birth Year: 1982
Work Experience: 10+ Jahre
Availability: March 2020
Hourly Rate: On Request
Nationality: Indian
Work Permit: Germany Permanent Residency

Contact Details

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Summary

Senior DW/ETL Developer with 10+ years of experience in Informatica PowerCenter, Informatica PowerExchange for SAP/Mainframe/ Netezza, Informatica Big Data Management, Talend, Pentaho Data Integration, ETL, ELT, ETL Architecture & Design, Agile, Scrum ETL development, Data Analysis, Big Data, Data Migration, Data Integration, Data warehousing, Data Modeling, Dimensional Modeling, Data Vault, Hadoop, SQL, PLSQL, ORACLE, UNIX, UNIX Shell Scripting, BMC Control-M, Automic UC4, Banking, Telecom, Retail

Skills

ETL Tools

Informatica PowerCenter 10.2, Talend Data Integration 7.2, Pentaho Data Integration (Pentaho Kettle) 8.3

Databases

Oracle 12c, Oracle Exadata 12c, Microsoft SQL Server 2016, IBM DB2, Hadoop HDFS, PostgreSQL

Modeling

3-NF, Dimensional Modeling (Star & Snow Flake), Data Vault (Raw Vault & Business Vault)

Modeling Tools

PowerDesinger

Software Development Methods

Agile, SCRUM, Waterfall

Programming Languages

Core JAVA, Python, SQL, T-SQL, PL/SQL, UNIX/Bash Shell scripting

Scheduling Tools

BMC Control-M, Automic UC4, Informatica Scheduler

Version Control

Subversion, Tortoise SVN, GitHub

Operating Systems

Windows 7/10, Linux, Solaris

Other Tools

Informatica Mapping Architect for Visio, Atlassian Jira, Atlassian Confluence, GitHub, Hue, Eclipse, Toad, SQL Developer, FTP, sFTP, WinSCP, FileZilla, Putty, HP Quality Center, Aginity Workbench for IBM Netezza, Citrix

Certifications

- | | |
|--------|---|
| 4/2014 | Informatica PowerCenter 9.x Developer |
| 5/2015 | TOGAF 9.1 (Enterprise Architecture Framework) Certified Professional |
| 7/2017 | International Knowledge Measurement - Informatica PowerCenter |

Professional & Project Experience

- | | |
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| 8/2019 – 12/2019
Frankfurt Am Main | ETL Developer/Analyst
Deutsche Börse
Deutsche Börse, Frankfurt am Main through in-Factory GmbH / Marlin Green Ltd
Contract Type: Freelance
Role: ETL Developer
Project: Regulatory Reporting Hub (RRH)
MIFIR/EMIR Transaction Regulatory Reporting to NCAs e.g. BaFin, AMF, etc.

Project Technology Stack
Source System: XML Files, Flat Files, Oracle
Target System: Oracle, XML, CSV |
|---------------------------------------|--|

ETL Tool: Informatica PowerCenter 10.2

Other programming languages: Oracle SQL & PLSQL, Unix Shell Scripting

Scheduling Tool: Control-M

Other tools: Github, JIRA, SQL Developer, WinSCP

Responsibilities

- Architect, Design, Develop and Maintain Informatica ETL/Data pipelines
- Performance tuning of ETL pipelines for faster loading in various environments
- Bug Fixing, Deployment, Production Support, Data Analysis
- Read data from XML & Flat files to load into staging, core layer and further to Delivery Area in Oracle database.
- Perform various cleansing and data completeness checks
- Analysing data for various issues or incompleteness
- Analysis of JIRA tickets for finding issues and providing ETL/SQL solution
- Enrich data from various reference/lookup tables and load into core layer
- Used various transformation like XML Source Qualifier, XML Parser, XML Generator, Transaction Control, Normalizer, lookup, update strategy, etc.
- Performance optimization of informatica mappings and sessions for faster loads
- Developed SCD Type1 and 2 mappings to load history data into data mart.

10/2017 – 6/2019
Frankfurt Am Main

ETL Developer

Commerzbank

Commerzbank, Frankfurt am Main through ATOS AG / JOB AG Source One GmbH

Contract Type: Freelance

Role: ETL Developer

Project

Compliance (CMC & CAF) - AML Reporting - Frankfurt & Singapore

This was a data Integration project which includes providing data from various banking applications like Murex Cash, Murex Equity, Murex Currency, etc. for compliance reporting.

Project Technology Stack

Source System: Flat Files, MS SQL Server

Target System: Oracle, Flat Files, Hadoop HDFS

ETL Tool: Informatica PowerCenter 10.1, Informatica BDM

Other programming languages: Oracle SQL & PLSQL, Python Scripting, Unix Shell Scripting, UC4 Scripting

Scheduling Tool: Atomic UC4

Responsibilities:

- Design ETL Pipelines and ETL Architecture.
- Design Informatica ETL jobs as per the quality and software development standards.
- Source to target data mapping analysis and design.
- Analyse, design, develop, test and document Informatica ETL programs from detailed and high-level specifications, and assist in troubleshooting.
- Creation of project-related documents like HLD, LLD, etc.
- Created reusable transformations and mapplets
- Developed data ETL pipelines for Change Data Capture (CDC)

- Creation of data pipelines to load into Hadoop HDFS.
- Complex Informatica PowerCenter ETL development and Quality Assurance.
- Design and develop various slowly changing dimension load e.g. Type 1, Type 2.
- Responsible for finding various bottlenecks and performance tuning at various levels like mapping level, session level, and database level.
- Extensive use of various active and passive transformations like Filter, Router, Expression, Source Qualifier, Joiner, and Look up, Update Strategy, Sequence Generator, Rank, and Aggregator.
- Debugging and troubleshooting Sessions using the Informatica Debugger and Workflow Monitor.
- Implement various loads like Daily Loads, Weekly Loads, and Quarterly Loads.
- Conduct Unit tests, Integration tests, performance tests, etc.
- Contact point for problems in the Production environment and Defects Tracking with business. (3rd-Level-Support)
- Supported deployment team in various environment's deployments
- Developed database objects including tables, Indexes, views, sequences, packages, triggers and procedures to troubleshoot any database problems
- Created UC4 jobs and scripts to execute Informatica Workflows, Shell Scripts, PLSQL Procedures, etc.
- Created Python scripts for file processing and error checks.
- Develop & Bugfix Unix Bash Shell Scripts for flat file checks and error handling.

6/2015 – 9/2017
Mülheim an der Ruhr

ETL Tech Lead

Aldi Sued

Aldi Sued, Mülheim an der Ruhr through Capgemini GmbH / Templeton & Partners Ltd

Contract Type: Freelance

Role: ETL Tech Lead

Project: Retail Enterprise Data Warehouse

Project Technology Stack

Source System: MS SQL Server, Flat Files, Oracle

Target System: Oracle Exadata

ETL Tool: Informatica PowerCenter 10.1

Reporting Tool: Microstrategy

Other programming languages: Oracle SQL & PLSQL, Unix Shell Scripting

Scheduling Tool: Informatica Scheduler

Project Methodology: Scrum/Agile

Responsibilities

- Participate in scoping, source system data analysis, target system requirements, volume analysis and migration window determination.
- Design & Develop Informatica PowerCenter ETL SCD Type-1 and Type-2 mappings to load dimensions in Sales Data Warehouse.
- Developed Informatica mappings to load fact tables using various transformation like sorter, aggregator, joiner, lookup, update strategy, sequence generator, etc.
- Perform data cleansing, data correction tasks while loading data into core layer.

- Contact point for problems in the Production environment and Defects Tracking with business. (3rd-Level-Support)
- Developed Informatica PowerCenter mappings to move data from stage to Core and Data Mart Layer.
- Implement various loads like Daily Loads, Weekly Loads and Monthly Loads.
- Developed PL/SQL Packages, Procedures and Functions accordance with Business Requirements e.g. loading time dimension, etc.
- Documented various POCs and ETL solutions in Confluence.
- Debugging and troubleshooting Sessions using the Informatica Debugger and Workflow Monitor.
- Responsible for finding various bottlenecks and performance tuning at various stages like Source, mapping, transformation, session..
- Created Materialized Views and partitioning tables for performance reasons.
- Worked on various back end Procedures and Functions using PL/SQL.
- Designing Tables, Constraints, Views, and Indexes etc.
- Developed database objects including tables, Indexes, views, sequences, packages, triggers and procedures.
- Developed complex SQL queries for data analysis, unit testing, etc.
- Provided dimensions and facts data in dimensional model for generating cubes used by Microstrategy reporting tool.
- Created materialized view or cubes to be used by Microstrategy reporting tool for reporting.
- Participated in Scrum Daily meetings, estimate subtasks of user stories, sprint analysis, etc.

1/2015 – 5/2015
Köln

Senior ETL Consultant

HRS

HRS, Köln through Informationsfabrik GmbH

Contract Type: Freelance

Role: Senior ETL Consultant

Project: Hotel Enterprise Data Warehouse

Project Technology Stack

Source System: MS SQL Server, Flat Files, Oracle, XML

Target System: Sybase IQ

ETL Tool: Informatica PowerCenter

Other programming languages: Oracle SQL & PLSQL, T-SQL, Unix Shell Scripting

Scheduling Tool: Control-M

Project Methodology: Waterfall

Data Modeling: Dan Linstedt Data Vault Modeling

Responsibilities

- Use of Data Vault as Data Modeling approach for the Hotel Enterprise Data Warehouse.
- Define the ETL Architecture to load the Data Vault model and data mart.
- Analysed sourced data to identify candidates for Hub, Satellite and link tables
- Developed Informatica PowerCenter mappings, sessions and workflows to load Hub, Link & Satellite tables.
- Added Hub, Link & Satellite tables including business keys, Surrogate keys, descriptive satellite information to Data Vault Model.
- Implement various loads like Daily Loads, Weekly Loads.

- Perform various data cleansing tasks.
- Perform test using sample test data in accordance with the client data migration/integration needs.
- Contact point for problems in the Production environment and Defects Tracking with business.
- Developed Informatica PowerCenter mappings to move data from stage to core and data mart layer.
- Documented various input databases and data sources.
- Debugging and troubleshooting Sessions using the Informatica Debugger and Workflow Monitor.
- Developed UNIX shell scripts to perform various user requirements.

1/2014 – 9/2014
Essen

Senior ETL Consultant

KARSTADT

Karstadt, Essen through IBM Deutschland / Questax AG

Contract Type: Freelance

Role: Senior ETL Consultant

Project:

Karstadt information systems for measures and analytics (KARISMA)

The goal of this project was to create centralized Analytical and Reporting system for Karstadt Warehouse GmbH. The major part of the project was to replace existing SAP BW Reporting system and create new enterprise data warehouse with Informatica PowerCenter 9.5.1 for ETL and Cognos 10 for Reporting. Informatica PowerExchange 9.5.1 with BCI (Business Content Integration) & Data Integration using ABAP methods were used to connect to Karstadt SAP Retail system and read data from SAP Standard and Customized Data Sources. IBM Netezza 7 was used as Target system with Informatica PowerExchange for Netezza.

Project Technology Stack

Source System: SAP, IDOC, Flat Files, XML

Target System: IBM Netezza

ETL Tool: Informatica PowerCenter 9.5, Informatica Powerexchange 9.5

Reporting Tool: IBM Cognos

Other programming languages: Oracle SQL & PLSQL, Unix Shell Scripting

Scheduling Tool: Informatica Scheduler

Project Methodology: Waterfall

7/2011 – 12/2013
Frankfurt Am Main

Senior ETL Consultant

Deutsche Bank

Deutsche Bank, Frankfurt through CSC Deutschland GmbH / Datamatics

Global Solutions GmbH & Hays AG

Job Type: Employee & Contract Type: Freelance

Role: Senior ETL Consultant

Responsibilities

Informatica PowerCenter ETL Tool Development & Support for Data Migration and Data Integration Projects.

Projects:

#1 Retail Banking - Postbank Savings Deposit Accounts Migration

This project involves migration of savings account deposits data from Mainframe IBM Z/OS systems to SAP Deposit Management application using PowerCenter 9.1 HF 1 and Power exchange 9.1. This involves reading data from flat files, mainframe data sets, oracle and writing data into flat files which will be then uploaded into SAP Deposit Management application. Power exchange 9.1 was used for the connecting to mainframe and reading of Mainframe data sets. ETL Informatica PowerCenter 9.1 was used for the extraction, transformation, and loading of data into the target systems. The project had only single load i.e. one time migration. This project involves data extract, transformation and loads of 250 to 500 million records.

#2 Retail Banking - Postbank Savings Deposit Accounts Integration

This project involves integration of savings deposit account data from SAP, Mainframe systems in to the Oracle enterprise data warehouse.

ETL activities includes loading of this data into Oracle enterprise data warehouse used for Retail banking reporting in Deutsche Bank, Germany. ETL Informatica PowerCenter 9.1 HF 1 was used for the extraction, transformation, and loading of data into the target systems. The project had several loads like Daily Loads, Weekly Loads, Monthly Loads, Quarterly Loads, and YTD Loads. These loads were implemented using Incremental Loading (Change Data Capture), and Slowly Changing Dimension Mappings. This project involves data extract, transformation and loads of 30 to 50 million records.

#3 Retail Banking - Auto Deployment

Deutsche Bank started this project to save huge time for deployment of all ETL components e.g. informatica PowerCenter workflows, informatica powerexchange data maps, parameter files, shell scripts,etc. This project helped Deutsche Bank to save time spend by deployers in deploying multiple environments, error free deployments and hence reduce cost.

#4 Retail Banking - LDAP Integration

11/2010 – 6/2011
Pune

Senior ETL Consultant

American Home Mortgage Servicing Inc

American Home Mortgage Servicing Inc, Texas through Hitachi Consulting Pvt Ltd, Pune

Job Type: Employee

Role: Senior ETL Consultant

10/2008 – 6/2010
Pune

Project:
Home Mortgage Enterprise Data Warehouse

Software Engineer
Sigma Systems
Sigma Systems, Pune
Job Type: Employee

Role: Software Engineer
Oracle, Unix, Java Development & Support

Education & Studies

2007
Pune India

Bachelor of Engineering from University of Pune, India
Computer Science

Major Subjects: Operating Systems, Advanced Databases, Object Oriented Modelling & Design, Software Architecture, Software Testing & Quality Assurance

Trainings

Big Data

10/2018 Hadoop, HDFS, YARN, MapReduce, Hive, Pig, HBase, Spark, Oozie, Flume and Sqoop

ETL Tools

08/2019 Talend Open Studio for Data Integration and Big Data

01/2020 Pentaho Data Integration

Architecture Framework

05/2015 The Open Group Architecture Framework (TOGAF 9.1)

Language Skills

Basic Knowledge **Deutsch (A1), Studying A2**

Fluent **English**

Native **Marathi**

Native **Hindi**