

**Data Engineer | ETL Informatica Developer**

**Work Status: US Citizen**

**OBJECTIVE**

To obtain a position as Data Integration Specialist/Informatica Developer in a fast-paced company where I can add value to the company by leveraging my prior experience of **10+ years** of IT experience with expertise in analysis, design, development, and implementation of Data warehousing using ETL tools Informatica Power center, Intelligent cloud services with Oracle, DB2, MS SQL Server, Sybase, and Teradata databases on windows and UNIX platforms.

**SUMMARY**

* Expert experience in **Data Integration and Data Warehousing** using ETL tool **Informatica Power Center 10.4/10.2/10.1/9.6/9.1/8.6, & IICS**. Knowledge of Informatica tools Power Center, IICS, Power Exchange, Power Analyzer, Power Connect, Data **Mart, OLAP, and OLTP.**
* Extensively used **Enterprise Data warehousing ETL** methodologies for supporting data extraction, transformation, and loading processing, in a corporate-wide-ETL Solution using **Informatica Power Center.**
* Experience integrating data to/from on-premises databases and cloud-based database solutions using **IICS.**
* Created N number of mappings mapping Tasks and task flows based on requirement **on CDI (Cloud Data Integration).**
* Expert-level mastery in Integration, designing, and developing **complex mappings** to extract data from diverse sources including SQL and PL/SQL, flat **files, RDBMS tables, legacy system files, XML files, JSON, Applications, COBOL Sources, SQL Server, Oracle, and Teradata**.
* 5 Years experience on **L2 & L3 Production support** resolving the production issues in 24/7 environment.
* Experience with creating **profiles, rules, and scorecards for data profiling** and quality using

**IDQ.**

* Strong working experience on **IDQ (Informatica Data Quality)** which involves developing plans for Analysis, Standardization, Matching, and Consolidation to examine different patterns of source data by using different components.
* Experience in **integration of various data sources** like Flat files, API, Oracle, SQL Server, SAP, and MS access into the staging area.
* Experience in working with traditional structured row store data, semi-structured and dynamic schemas such as **XML, JSON**
* Proficient in implementing Complex business rules by **creating re-usable transformations, workflows/worklets,** and **Mappings/Mapplets.**
* Experience in cloud database solutions including **Azure Synapse, Azure Data Lake store, AWS Redshift, Snowflake**
* Thorough knowledge of database management concepts like **conceptual, logical, and physical data modeling** and **data definition, population, and manipulation**. Expertise in **logical and physical database design** and **Data Modeling** using data modeling tools like **Erwin.**
* Experience with **web-based APIs (e.g., REST, SOAP) and Postman**
* Hands-on experience in leading and implementing Client-server, Cloud-based ETL integration projects using Informatica **IICS, Oracle, and AWS.**
* Good Knowledge of **MDM Hub configurations** - Data Mappings, Data validation, Match and Merge rules, and Hierarchy Manager.
* Configured **SSIS packages** using package logging, Breakpoints, Checkpoints, and Event handlers to fix the errors.



* Demonstrated expertise utilizing ETL tools, including SQL Server Integration Services (SSIS), and Informatica and ETL package design, and RDBMS systems like SQL Server, Oracle.
* Strong expertise in Relational database systems like **Oracle, SQL Server, MS Access, Teradata, Sybase, DB2** design, and database development using **SQL, NOSQL, PL/SQL, SQL PLUS, TOAD, SQL-LOADER.** Highly proficient in writing, testing, and implementation of **triggers, stored procedures, functions, packages, and Cursors** using **PL/SQL.**
* Experience in the scheduling of ETL jobs using **Control-M,** Autosys, and Tivoli.
* Worked on Data Loading from ASCII flat files to Oracle database using **SQL\*Loader.**
* Extensive experience with **Teradata SQL Assistant** and Teradata Load/Unload utilities like

**TPUMP, Fast Export, Fast Load, Multiload, and BTEQ.**

* Experience in Task Automation using **UNIX Shell Scripts, Job scheduling (AUTOSYS), and Communicating with the Server using pmcmd and Control-M**
* Good Knowledge of **SFDC** and Reporting tools **OBIEE and Spotfire**
* Domain Data warehousing experience including **Oil and Gas**, **Finance and Banking, Medical, Pharmaceutical, Insurance, and Automobile.** Proven ability to implement technology-based solutions for business problems.
* Good experience in Service Delivery including Incident Management, Change Management, Problem Management, Release Management, Configuration Management, and IT Service continuity management
* Good experience in Customer Relationship Management, Transition Management, People Management, SLA Standards and Monitoring, Team buildup, and mentoring.
* Experience in non-relation database **Mongo DB**
* Hands-on experience in resolving production issues in a 24/7 environment worked with **Jira**, **Service Now** for Creating Incidents, and with **XMatters**.

***TECHNICAL SKILLS***

|  |  |
| --- | --- |
| **ETL Tools** | Informatica Power Center 10.X/9.X, Informatica Intelligent Cloud  Services (IICS/ICRT), Power Exchange, IDQ |
| **AWS Services** | S3, EC2, RDS, Glue, Athena |
| **OLAP Tools** | Business Objects XI, SSRS, Cognos |
| **Data Modeling Tools** | Erwin, Star-Schema Modeling, snowflake, FACT and Dimension Tables |
| **Relational Databases** | Oracle 11I,10g,9i, SQL Server 2008,2012,2016, DB2 v8.1, Teradata v13, Microsoft Access, Azure SQL Datawarehouse (Azure synapse),  Azure SQL Database |
| **Columnar Databases** | AWS-Redshift |
| **Scripting Languages** | SQL, PL/SQL, T- SQL, Batch Script, UNIX Shell Script |
| **Operating Systems** | Windows 10, UNIX |
| **Scheduling Tools** | BMC Control-M, Informatica Scheduler, Tivoli TWS |
| **SCCM Tools** | Jira, Service Manager 9, Agile and Water fall |
| **Other** | MS Project, MS Office Suite, Toad, Postman, Mendix, Metacenter, Metadata, Batch IR, Password vault, Service Now, Job Dependencies  tools, Putty, Azure DevOps, Service Now, xMatters |

***PROFESSIONAL EXPERIENCE***

**LPL Financial, Remote**

**Role: Lead Informatica Developer/Data Engineer May 2022 - Present**

**Responsibilities:**



* Worked on different stages of SDLC life cycle (Planning, Requirements, Design, Build, documenting, testing, Deploy, and Maintenance).
* Developed Data Integration Platforms Components/Processes using Informatica Cloud Platforms, Azure Data Warehouse, Azure Data Lake store, and Azure Blob storage Technologies.
* Used IICS to fetch data from AWS S3 bucket and built a data pipeline to load data into snowflake stage tables by applying business logic.
* Have designed task flows to read data from Snowflake staging to Snowflake data warehouse.
* Designed, Developed, and implemented ETL Process using IICS Data Ingestion
* Source Data from the Vendor was extracted from various databases like DB2, Flat files, Power Exchange CDC, SQL Server and Extracted to Postgres SQL databases and finally loaded to Yellow Brick Database.
* Extensively used Cloud transformations. Aggregator, Expression, Filter, Joiner, Lookup (connected and unconnected), Rank, Router, Sequence Generator, Sorter, Update Strategy, Union Transformations
* Migrate the Informatica Power Centre workflows and mappings to the IICS environment.
* Created IICS Connections using various Cloud connectors in IICS Administrator.
* Installed and Configured Windows Secure Agent register with IICS Org
* Extensively used performance tuning techniques while loading data into Azure Synapse using IICS
* Created a PYTHON Script to create an on-demand cloud mapping task using Informatica REST API
* Developed Mass Ingestion task to ingest large datasets from on-perm to Azure data lake store -File ingestion.
* Extensively used push-down optimization option to optimize Processing and use the limitless power of Azure Synapse
* Developed cloud Integration Parameterized mapping Templates for stage, dimension (SCD Type1, SCD Type2, CDC, and Incremental load and Fact load process
* Involved in Development, Unit Testing, SIT, and UAT Phases of projects.
* Experience in using Unix shell scripting for triggering workflows, generating parameter files, and various file-handling scenarios.
* Handled Production Issues and monitored Informatica workflow in Production.

**Environment:** Informatica Intelligent Cloud Service, Informatica Power Center 10.2, PL/SQL, PostgreSQL, TWS, UNIX, IICS, AWS-S3, Snowflake, Azure Synapse, (Azure SqlDW) SQL Server, Azure Data Lake Store, Oracle, Jira.

**Industry: ConocoPhillips, Houston, TX**

**Role: Informatica Developer and Production Support Role Duration: August 2020-April 2022**

ConocoPhillips is across our 15 countries of operations 9,700 people work in a truly integrated way to find and produce oil and natural gas transport and market crude oil, natural gas, natural gas liquids, liquefied natural gas, and bitumen on a worldwide basis -energy that plays a foundational role in enabling global economic development and human progress.

* Oversaw creation of an entirely new Informatica landscape for ConocoPhillips divestiture including 400+ Informatica interfaces and 200+ managed file transfer solutions with a team of 16+ in 9 months executing with a success rate of 99.7% on the first run.
* Design and develop solutions to integration challenges across IT systems.
* Designed and implemented the data warehouse architecture using Snowflake, including schemas, tables, and views.
* Worked on Eagle Ford IOF (Integrated Operations of the Future) IDW Project. Extracted data from Oracle, Microsoft SQL Server and populated into Teradata Warehouse using ETL Tool Informatica PowerCenter.
* Implemented Snowflake features like warehouses, virtual warehouses, and resource monitoring for efficient data processing.
* Experienced with Snowflake cloud technology and multi-cluster warehouses.
* Deliver data to and from complex file structures, relational databases, SAP (BW, RFC, and ABAP), web services, and unstructured datasets.



* Develop with a variety of transformations: Aggregator, Expression, Joiner, Lookup, Router, SAP RFC/BAPI, Sequence Generator, Sorter, SQL, Stored Procedure, Union, Unstructured Data, Update Strategy, Web Services Consumer, XML Generator/Parser
* Project used Snowflake schema and had many dimensions and SCD tables.
* Pioneered Data Transformation by exploring, documenting, developing, and teaching teams to use processes that parse spreadsheets and unstructured data.
* Support and maintain 200+ Informatica workflows 24/7 to ensure daily availability and accuracy of data in high-profile IT systems for Houston, Commercial, Corporate, and HR.
* Coordinate design and delivery of 50+ interfaces converted to Informatica.
* Interview, train, coach, and support developers to deliver as a team across both onshore and offshore staff.
* Review code and change requests to ensure sound architecture, production reliability, process compliance, and coding standards.
* Maintain Informatica team documentation and system configuration.
* Production support for all the ETL, Teradata, Oracle, SQL Server Databases, and Mendix Applications
* Extracted Data from various on-perm systems and push the data to AWS Redshift which in turn feeds for analytical use.
* Developed Cloud mappings to extract the data for different regions (Canada, Nigeria, and America).
* Refreshing the mappings for any changes/additions to CRM source attributes.
* Automated/Scheduled the cloud jobs to run daily with email notifications for any failures.
* Generated automated stats with the staging loads comparing the present-day counts to the previous day's counts.
* Created Firewatcher jobs to set up the dependency between Cloud and PowerCenter jobs.
* Create Informatica mappings and workflows using relational DBs/staging tables, flat files, UNIX shell scripts, web services, and FTP.
* Used.NET, PowerShell scripting, and Web Services for integrating applications using APIs.
* Created narrative reports in Spotfire.
* Issue debugging ETL Jobs related to Mendix which consumes REST & SOAP-based Web Services calls using standard Python Framework Scripts.
* Work Knowledge on data integration & transformation flows where consistent interaction happens between AWS S3 Storage Bucket, AWS Athena & Teradata
* Worked on Data Migration Projects when COP acquired two major oil companies Concho and Shell Permian Basin assets.

**Environment:** Star Schema, Snowflake Schema, Informatica PowerCenter 10.4,10.2, 9.6.1Informatica Power Exchange, Service Now Informatica Intelligent Cloud Services (IICS), Oracle 11i, 10g, 9i, Microsoft SQL Server 2008/2012/2016, Teradata V16, Azure DevOps, Azure Database, CICD pipelines, Azure Data Lake Store, Windows Batch, Unix Shell, Control M, Agile & Waterfall, TPT, SAP, REST API, Control-M, Scripting, Postman, Mendix, Metacenter, Metadata, Batch IR, Password vault, Service Now, Job Dependencies too, Putty.

**Industry: Texas Children’s Hospital, Houston, TX Role: Informatica Developer**

**Duration: February 2018-July 2020**

Texas Children's Hospital is a [pediatric hospital](https://en.wikipedia.org/wiki/Pediatric_hospital) located in the [Texas Medical Center](https://en.wikipedia.org/wiki/Texas_Medical_Center) in [Houston, Texas.](https://en.wikipedia.org/wiki/Houston%2C_Texas) With 639 licensed beds and 465 beds in operation, it is the largest [children's hospital](https://en.wikipedia.org/wiki/Children%27s_hospital) in the United States and is affiliated with the [Baylor College of Medicine](https://en.wikipedia.org/wiki/Baylor_College_of_Medicine) as that institution's primary pediatric training site.

It uses an enterprise data warehouse to monitor and report adherence to evidence-based guidelines and order sets on an ongoing basis.

**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.
* Developer ETL Mappings for extracting data from RDBMS Database Teradata.
* Developed mappings for customers, Investments, and Risk analysis.
* Validating the following 834 (Enrollment / Dis-Enrollment to health Plan), 835 (Health Care Claims Payment / Remittance), and 837 (Health Care Claims or Encounter) Developed data mappings for integration between various systems including XML to follow ICD 10 Code Set and ANSI X12 5010 formats.
* Developed reusable Transformations.
* Assisted in adding Physical conceptual data model.
* 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.
* Developed ETL maps and shell scripts to clean and load data into the Data mart.
* Extensive work with 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, and packages for the ETL processes.
* Developed UNIX Shell scripts to automate repetitive database processes and maintained shell scripts for data conversion.
* Involved in the process design documentation of the DW Dimensional Upgrades.

Environment: Informatica Power Center 10.2/10.1, Informatica Cloud, SAP BW, SFDC, Oracle 11g, DB2, SQL Server 2014/2017, Visual Studio, Service Manager, Toad 10, OBIEE, Unix, HP-UX 11i, Toad Data modeler, Linux Sussex, shell/Perl scripting, SQL, Autosys.

**Industry: JM Family Enterprises Inc, FL Role: Informatica Developer**

**Duration: October 2016-January 2018**

JM Family is a diversified automotive corporation whose principal businesses focus on vehicle distribution and processing; financial services; finance and insurance products; retail sales; marketing and consulting; and dealer technology products and services.

The Project outlines the strategy for data migration from SET CSV files to the Oracle IR, to the Teradata DW, and the new Vehicle Sales & Stock Data Mart. The data integration platform Informatica will be used. This Project needs to customize the vendor recommendations and templates wherever possible to meet the requirements of the Vehicle Sales & Stock project.

**Responsibilities:**

* Developed mappings using Informatica to load the data from sources such as RDBMS Databases like Oracle, and Flat files.
* Optimizing the mappings by changing the logic to reduce run time.
* Fixing invalid Mappings, testing Stored Procedures and Functions, and Unit and Integration Testing of Informatica Sessions, Batches, and Target Data.
* Scheduled Sessions and Batches on the Informatica Server using Informatica Server Manager/Workflow Manager.
* Analyze the client requirements and translate them into technical requirements.
* Identified the database tables for defining the queries for the reports.
* Worked on SQL server queries, stored procedures, triggers, and joins.
* Defined report layouts for formatting the report design as per the need.
* Identified and defined the datasets for report generation.
* Formatted the reports using global variables and expressions.



* Maintained data integrity by performing validation checks.

Environment: Junction, DBca Power Center 10.1/9.6.1, Informatica Data Quality, Cloud, Oracle 11G, Netezza 7.2.0, Netezza Twin Fin 6 (Production), Twin Fin 3 and Netezza Skimmer (Non-production), Exadata, web services, DAC, Ab Initio, Teradata V13.0, Cognos BI 8.3, Informatica B2B Data Transformation (DT)/Data Exchange (DE), data masking, MDM, Relational Junction, DB2, Flat files, SSIS, PL/SQL, SQL\*Plus, TOAD, UNIX, SAP, Shell Scripting, Autosys, Erwin 4.2. Pentaho, Hadoop. (SFDC). Windows PowerShell.

**Industry: UTMB Health, Houston, TX *Role: Informatica Developer Duration:* February 2015-August 2016**

This project was aimed at building a Data mart for the Clinical department for the population health Analysis of their patients and improvement of the health of patients and providers, different business areas were covered for building the DM. Informatica Power Center was used to transform a variety of relational databases, and transaction files from different product platforms into a standardized data mart. The data mart has been designed using Erwin adopting Star Schema methodology. Models are created based on the dimensions, levels, and measures required for analysis.

**Responsibilities:**

* Developed mappings using Informatica to load the data from sources such as RDBMS Databases like Oracle, and Flat files.
* Optimizing the mappings by changing the logic to reduce run time.
* Fixing invalid Mappings, testing of Stored Procedures and Functions, Unit, and Integration Testing of Informatica Sessions, Batches, and Target Data.
* Scheduled Sessions and Batches on the Informatica Server using Informatica Server Manager/Workflow Manager.
* Analyze the client requirements and translate them into technical requirements.
* Data migration from text to SQL server.
* Identified the database tables for defining the queries for the reports.
* Worked on SQL server queries, stored procedures, triggers, and joins.
* Defined report layouts for formatting the report design as per the need.
* Identified and defined the datasets for report generation.
* Formatted the reports using global variables and expressions.
* Deployed generated reports onto the report server to access it through the browser.
* Maintained data integrity by performing validation checks.

**Environment:** Informatica Power Center 9.0.1, Oracle 10G, Cognos BI 8.3, Relational Junction, DB2, Flat files, PL/SQL, SQL\*Plus, TOAD, UNIX, Shell Scripting, Control-M, Erwin 4.2.

**Industry: Liberty Mutual, Portsmouth, NH Role: Informatica Developer**

**Duration: February 2013-January 2015**

Liberty Mutual Insurance is one of the largest property and casualty insurers which provides competitively priced insurance products and services to meet customers' ever-changing needs.

The current project at Liberty Mutual intends to perform the Claim Next Generation Data Conversion process to move claims from Claims Workbench to the CNG Navigator application, where the claims will be managed using Informatica mappings, target files, target tables, and Navigator environments.

**Responsibilities:**

* Requirement Analysis for new business requirements & major developments. Impact analysis of proposed changes and effort planning.
* Participated in Impact Analysis, Design, Development, Independent Unit Testing, and System testing.
* Maintenance of relevant documents and the database.
* Release of business requirements into a production environment.



* Analysis of the existing system to improve & optimize the system performance.
* Development of components (PL/SQL) Production Support and user acceptance testing support.
* Monitoring and tracking UAT and SIT issues.

**Environment:** Informatica Power Center 9.6.1, Oracle 10G, WLM, UNIX AIX, DB2, Flat files, PL/SQL, SQL\*Plus, TOAD, UNIX, Shell Scripting, Tivoli, Erwin 4.2

**EDUCATION**

* **BS in Mechanical Engineering, K.B.N College of Engineering, Karnataka -Year 1995**
* **MCSD Certification (Microsoft Certified Solution Developer**)
* **MCSE Certification** (**Microsoft Certified Systems Engineer**)
* **MCDBA Certification (SQL server administration, SQL server design, and networking systems)**
  + ***Thank you.***