

DATA ENGINEER/ETL DEVELOPER

Summary

Informatica Developer Result oriented developer with experience in Design, Development, Implementation and support of **Data Warehousing Applications** for over 6 years. Experienced in complete **Software Development Life Cycle (SDLC)** , **software Testing Life Cycle (STLC)** , **SDLC methodologies** . Extensively worked on **Informatica Designer Tools** (Source Analyze, Warehouse Designer, Mapping Designer, Mapplet Designer, and Transformation Developer) and Workflow Manager Tools (Task Developer, Worklet and Workflow Designer), Workflow Monitor and Informatica Power exchange. Experience in working with using Informatica in **SAP HANA** , **Oracle** , **MS SQL** , **Teradata** and **DB2 environments** . Working knowledge of integrating various ERP systems like **SAP** , Oracle APPs to **RDBMS** systems to like Oracle, MS SQL Server and **SAP HANA** . Experience on designing and developing mappings from varied transformation logic like **Unconnected** and **Connected lookups** , **Source Qualifier** , **Router**, **Filter**, **Expression**, **Aggregator**, **joiner**, **Update strategy**, **Transaction Control Transformation etc.** Experience in integration of various data sources like **Oracle**, **DB2**, **SQL Server**, **XML files** and **Flat Files into staging area** . Also experience in Optimizing Database querying, data manipulation using SQL and **PL/SQL** in Oracle, flat files and SQL server database. Experienced in implementing **Change Data Capture (CDC)** using Informatica Power Center for Oracle and SAP Systems. Experienced in debugging mapping by analyzing the data flow and evaluating transformations. Experienced in performance tuning of data flow through source, target, sessions and mappings, **identifying and resolving performance bottlenecks at various stages** using techniques like Database tuning and Session Partitioning. Experienced in test strategy, developing test plan, details test cases, and writing test scripts by decomposing business requirements, and developing test scenarios to support quality deliverables. Involved in test planning and execution for various Test Phases: **Unit Test** , **System and User Acceptance Testing** . Expert in **analyzing, designing, developing, installing, configuring and deploying** MS SQL Server suite of products with Business Intelligence in SQL Server Reporting Services, SQL Server Analysis Services and SQL Server Integration Services. Performed data profiling, data cleansing, data conversion, exception handling and data matching using **Informatica IDQ** . **Excellent communication skills, good organizational skills, self-motivated, hardworking, ability to grasp quickly and learn fast and open to new technologies.**

Skills & Tools

- ETL Tools Informatica Power Center (10.4.1/9.6.1/9.0.1), Power Exchange 9.6.1/9.0.1, Informatica Data Quality 9.6.1, Power connect for SAP BW, power connect for JMS, power connect for IBM MQ series, power connect for Mainframes, DTS, MDM, ERWIN.
- Scheduling, TIDAL, UC4, CONTROL-M, AUTOSYS, OpCon.
- Oracle, SAP HANA, MS SQL Server, Snowflake, MongoDB, Teradata, DB2, AWS.
- Python, Java, SQL, UNIX, Unix Shell Scripts, HTML, XML, JSON, Microsoft Office, Apache Spark, Kafka, Kubernetes, Hive, Scala
- Data analysis, Data management, Data warehouse, Big Data, PL/SQL, RDBMS, NoSQL, Vertica.
- Debugging, Coding, Designing, Quality analysis, ETL, SAP BW.
- Data mining, Deep learning, Reverse engineering skills, Warehouse models, Enterprise information architecture.
- Team management, Coordination, Collaboration, Critical thinking, Communication, Leadership, Analytical, Automation understanding, Mapping skills, Requirements gathering, Unit test plans, Standards
- Development, Error handling techniques, Data evaluation, Requirements analysis and design phases, Agile development methodologies, Active Directory knowledge, Customer-oriented, Interface design and implementation, SQL expert, Organizational skills.
- AWS Cloud Tools: EC2, Elastic Load-balancers, Elastic Container Service (Docker Containers), S3, Elastic Beanstalk, Cloud Front, Elastic File System, RDS, Dynamo DB, DMS, VPC, Direct Connect, Route53, Cloud Watch, Cloud Trail, Cloud Formation, IAM, EMR, ELB, Lambda functions, REST API, Airflow, Data Pipeline, RedShift.

Experience

Data Engineer/ETL Developer , 08/2019 i¼ Current Bonnier Corporation i¼ New York , NY

- Responsible in Identifying all the Legacy systems, analyze their **data models** , mathematical and.
- Scientific models and all the business components to be migrated to Arkansas Integrated Eligibility system (ARIES) **NexGen solution** .
- Analyzing the relationship between the entities in Legacy systems and write multiple complex Sql queries using **“spider web”** selection strategy to extract all the related client information from multiple legacy sources.
- Designing and coordinating with **Informatica Power center** admin to set up services, users, Groups, database components like tables, indexes, procedures and synonyms, Unix groups and User access for ARIES system
- Designing all the components of ARIES system and step by step conversion approach using the **Ralph Kimball** and **Bill Inmon** data warehouse design methodologies to determine the feasibility of the design within the time and cost constraints.
- Development of **ETL** (Extract, Transform and Load) code components like mappings, Workflows, Sessions and database objects like stored procedures, functions and **Unix shell scripts** from business requirements and design plan.
- Designing and developing the mathematical models and analytical reports in **Cognos** , analyze.
- These reports and identify the potential performance Indicators and retrospect the current Conversion success predicts the future trends and plan for interim or next wave conversion.
- Responsible Identifying the performance bottleneck in the ARIES systems during Integrated, **Testing (IT)** and **System Testing (ST)** and **PT (Performance Testing)** phases and implement Performance tuning techniques.
- Confer with the scrum master, client partners, Business Managers and adhere to the **agile** .
- Methodologies to successfully implement business process management strategies.
- Create automation scripts using code management tools to migrate code to higher regions without manual intervention.
- Conduct code review sessions with peer developers to ensure code quality.
- Wrote scripts and processes for **data integration** and bug fixes.
- Utilized **Python** to handle debugging and automation scripting tasks.

- Created and implemented complex business intelligence solutions.
- Create & Managing buckets on **S3** and store DB and log backup, upload images for CDN server.
- Setup databases on **Amazon RDS** or **EC2 Instances** as per requirements.
- Developed and managed enterprise-wide data analytics environments.
- Trained non-technical users and answered technical support questions.
- Expert in migrating data from various systems into Salesforce CRM using ETL tools - **Informatica**.
- Hands on Experience in **Data Management, Data Security, Data Modeling, Workflow Automation, Formulas & Validations**.
- Worked successfully with diverse group of coworkers to accomplish goals and address issues related to our products and services.
- Collaborated with Legacy team to define data extraction methodologies and data source tracking protocols.
- Devised automation, backup and recovery protocols to preserve and safeguard data.
- Implemented unit and integration testing protocols to consistently deliver high quality, functional features with minimal defects.
- Maintaining the batch process using OpCon Scheduler for automation.
- Performed various development activities for DevOps practices for the project, including continuous integration, continuous delivery, continuous testing, and continuous monitoring. Design continuous integration best practices for the development team using Docker, Ansible, and Jenkins. Leverage Docker and Ansible playbook design for continuous deployment and continuous delivery and maintain responsibility for configuration management for infrastructure as code. Manage deployments to Cloud services providers (CSP) environments, including AWS.

BI_ETL Developer , 11/2018 i¼ 07/2019 Cognizant Technology Solutions i¼ Merrill , WI

- Analyzing the source data coming from Mainframe sources and working with business users and developers to develop the Model.
- Created xsd and used it in **xml generator Transformation** .
- Also called **WSDL** files using web consumer transformation in **Informatica** .
- Effectively and efficiently communicated systems solutions to business problems to team members, business unit representatives, management, and other impacted project teams.
- Analyze and modify existing stored procedures, functions, and queries in order to integrate them into previously built reporting application utilizing **SSIS** and **SQL Server Management Studio**.
- Change ETL process from **importing flat files** and **COBOL** as source for previously built application utilizing informatica Power center 9.6 to read data from existing Reporting Server (SQL Server databases).
- Interface with report users to determine requirements for new and existing reports.
- Develop, test, and deploy **ETL** jobs with reliable error/exception handling and rollback framework Manage automation of file processing as well as all ETL processes within a job **workflow** .
- Worked as a Data Analysts to match the current data mappings with old mainframe mappings.
- Created Design Documents, Context Diagrams on every Projects and did code review.
- Created Reusable lookup to send emails Notification to User's.
- This Lookup was used by multiple developer in multiple Projects.
- STOP and START the **Netezza** appliances in case of issues.
- Prepared best practices documentation for teams in writing **NOSQL**.
- Conducted sessions to help explain teams about the **Netezza** architecture and design.
- As a part of Informatica decommission objects Project Used **SVN** to archive the ETL Code and delete the unwanted mappings and workflows.
- Extracted data from **flat file** and staged into a single place and applied business logic to load them in the **Teradata database**.
- Lead in few complex Projects and Performed Unit testing and created **QA documents** .
- Participated in solution brainstorming and provided technical instruction and coaching to others within organization.
- Developed technical project deliverables.
- Created spreadsheets using **Power BI** and **Power Pivot** by importing data from the sources directly.
- Created visually impactful dashboards in Excel and **Tableau** for data reporting using **PivotTables** and **VLOOKUP** .
- Involved in migrating ETL code lower environments to like dev/ test/Load to production environment.
- Used **Debugger** for debugging Mappings.
- Created **Tidal** Jobs and **Runbooks** to schedule jobs in Tidal.
- Scheduling ETL Jobs using **UC4 scheduler** .
- Migrated ETL code using Deployment Groups from Dev to Prod environments.
- Created SSIS package for loading the data coming from various interfaces like OMS, Orders, Adjustments and Objectives and also used multiple transformation in SSIS to collect data from various sources.
- Worked on SSIS Package, DTS Import/Export for transferring data from Database (Oracle and Text format data) to SQL Server.
- Created **SSIS** packages for File Transfer from one location to the other using FTP task.
- Manage and document our platform infrastructure. This can go from installing a new Consul server to resolving performance issues in a MongoDB cluster, through setting up a continuous integration pipeline.

Informatica Developer , 12/2017 i¼ 10/2018 Cognizant Technology Solutions i¼ Montpelier , VT

- Involved in all the phases of the development like Analysis, Design, Coding, **Unit Testing** , System Testing and UAT.
- Extracted data from **heterogenous sources** and performed complex transformations to load data into the target systems.
- Resolved various performance issues by examining the logs, current design and **removing the bottlenecks** .
- Created reusable ETL components which need to be run at the mapping, session and workflow levels.
- Wrote complex SQL queries and performed extensive data analysis in **Oracle 11g**.

- Peer reviewed developers code and ensured they fall into the enterprise guidelines.
- Worked extensively with session parameters, Mapping Parameters, Mapping Variables and Parameter files for Incremental Loading.
- Created Informatica mappings to load Payment flow, BT cash data, Currency conversion data from **SAP HANA DSL layer** to **SAP HANA DPL layer/DLL (SAP BA layer)**, Implemented SAP BW and **BOBJ** with different SAP data source.
- Used **Qlik** and Informatica for **ETL** & reporting.
- Worked closely with **SAP ABAP** team to create logical systems, RFC destinations and to create tRFC port for RFC destinations.
- Followed best practices that were defined at the enterprise level and also peer reviewed the code for the same.
- Created and reviewed scripts to create new tables, queries for new enhancements and bug fixes in the existing **data warehouse**.
- Used Debugger and various other techniques like tracing to fix the defects/ errors and data issues.
- Extensively worked with various Lookup caches like **Static cache, Dynamic cache and Persistent cache**.
- Involved in developing the Deployment groups for deploying the code between various environment (Dev, QA).
- Worked in the Data Integration Team to perform data and application integration with a goal of moving more data more effectively, efficiently and with high performance to assist in business-critical projects coming up with huge data extraction.
- Migrated data from SQL Server to **Netezza using NZ_Migrate utility**.
- Experience in integration of various data sources like **Oracle, DB2, SQL server, .csv, XML and Flat Files** into staging area.
- Developed code to extract, transform, and load (ETL) data from inbound flat files and various databases into outbound **flat files** and **XML** files using complex business logic.
- Involved in deploying objects from DEV to UAT/PROD during monthly/quarterly releases.
- Developed Slowly Changing Dimension Mappings for **Type 1 SCD** and **Type 2 SCD** Monitored and improved query performance by creating views, indexes and sub queries Extensively involved in enhancing and managing Unix Shell Scripts.
- Developed workflow dependency in **Informatica** using Event Wait Task, Command Wait.
- Involved in **L3 Support** by fixing load failures and defects during peak and off-Peak hours.
- Working with Informatica and **SAP ECC**.
- We are extracting data in Informatica from **SAP ECC** via.
- Business Content Data sources.
- Design the ETL architecture for the conversion of source from legacy to new **ERP (SAP)**.
- Built Sqoop scripts to extract data from the SAP.
- Responsible for data integration (**Epicor and SAP**) and data management.
- Validated DW data with standard **SAP reports**.

ETL Informatica Developer , 08/2013 to 12/2015 ObjectOne Information Systems in City , STATE

• Responsible for developing ETL mappings for the reporting requirement & for data feeds.

• Created mapplets and many other reusable components reduce redundancy.

• Provided the best solution for their requirement. Help the Clients in designing of the system and process to make it more robust and meaningful.

• Created the ETL component and test scripts. Involved in client meetings for their inconsistent requirements.

• Sourced data from **SAP HANA** using **SAP Adapter** in Informatica Target Tables.

• End to end processing from the source to target. Load the data from various File systems to the **DWH** and **DM** . Maintain the Versioning for the objects by using **VSS**.

• Successfully conducted Load Testing and Performance Testing.

• Resolve the issues coming from the end to end processing. Perform the enhancements if required by the business users. requirement & for data feeds

• Involved in preparing Source to Target mappings and Application Design Document. Worked closely with all upstream and downstream application owners to make sure interface agreement documents are clear.

• Successfully conducted Load Testing and Performance Testing. Automated regression test suite for accurate reporting and true portal.

• Used **ALM** to track and report system defects and bugs, writing modification request for the bugs in the application and helped developers to track the problem and resolve the technical issues.

Education and Training

12/2017 New England College in City , State Master of Science Computer And Information Systems