JESSICA CLAIRE

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SKILLS

ETL Tools
- Talend Data Integration, Talend Cloud, Talend Real Time Big Data platform, DataStage 11.5, 8.5 (Designer, Manager, Director), Informatica.

Databases & Tools
- Oracle (11g), Teradata v12, Hive.

Operating Systems
- Linux, Windows

Scheduling
- DataStage Director, Zena, TMC, ControlM

Scripting
- Unix, SQL, PySpark

Reporting Tools
- Tableau

EDUCATION AND TRAINING

Acharya Nagarjuna University
05/2013

Bachelor of Science: Electronics And Instrumentation

New York Institute of Technology
Old Westbury, NY • 05/2016

Master of Science: Computer Science

SUMMARY

Dedicated IT professional with 5+ years of experience in System design, development and delivery of enterprise software. Around 6 years of ETL experience in Database programming for creating Data Warehouse with IBM InfosphereDataStage11.5/8.5. (Manager, Designer, Administrator, Director), Parallel Extender, Talend and Teradata 14.10/13.10/12/10, DB2 UDB. Experience in working with Talend open source, Talend Enterprise version and Talend cloud. Experience in working with Standard jobs, Batch jobs and streaming jobs using Talend for Bigdata and Talend for real time Big Data. Experience with SDLC including analysis, design, construction, testing, and implementation. Extracted data from multiple operational sources and implemented SCDs (Type 1/Type 2/ Type 3) using Talend. Extensively used Talend components like tfileinputdelimited, tparquetinput, tspakrow, tSetGlobalVar tMap, tReplicate, tJoin, tFileList, tSortRow, tBufferInput, tBufferOutput, tDenormalize, tNormalize, tParseRecordSet, tUniqueRow, tS3put, tS3get, tS3FileList, tRedshiftInput, tRedshiftOutput, tRedshiftRow,tsnowflakeinput, tsnowflakeoutput, tsnowflakerow tKafkaInput, tKafkaOutput, tAzurestorageput, tAzurestorageget, tAzureStorageConnection, tAzureStoragelist. Extensively worked on Error logging components like tLogCatcher, tStatCatcher, tAssertCatcher, tFlowMeter, tFlowMeterCatcher. Experience in Debugging, Error Handling and Performance Tuning of sources, targets, Jobs etc. Well knowledge and experience in Hadoop ecosystem (HDFS, YARN, Hive, SQOOP, HBASE,) Data pipeline, data analysis and processing with hive SQL. Strong SQL experience in Teradata from developing the ETL with Complex tuned queries including analytical functions and BTEQ scripts. Experience in Importing and Exporting data using Sqoop from Relational database system to HDFS, Hive tables, and vise-versa Implemented various projects on Agile Development &Waterfall model and hybrid model. Enhanced the design of current systems to improve system capabilities to meet the changing needs of the business. Modified application systems and procedures to optimize functional requirements including capacity, operating time, response time, and form of desired results. Strictly followed Title II of HIPAA, known as the Administrative Simplification (AS) provisions, security and privacy of health data. Expertise in writing UNIX shell scripts and hands on experience with scheduling of shell scripts using ASG-ZENA. Excellent experience in Relational Database (RDBMS) and ODS , Oracle 11g,10g,9i,Teradata Load and MultiLoad, SQL, PL/SQL, TOAD. Created Business Requirement, functional, technical, and mapping design documents. Experience in designing Job Batches and Job Sequences for scheduling server and parallel jobs using DataStage Director, UNIX scripts. Experience in creating Indexes and Partition tables to improve query performance. Experience in writing and implementing UNIX shell scripts in Talend using the tssh component.

EXPERIENCE

Cook Children's Health Care System - ETL Developer
Grapevine, TX • 11/2020 - Current

- Designed various jobs for extracting data from various sources involving flat files and relational tables
- Worked with the Data Team to understand the source to **target mapping rules**
- Analyzed the requirements and framed the business logic for the ETL process using Talend and involved in the Talend jobs design and its Development
- Developed jobs using Talend for data loading, importing Source/Target tables from the respective databases and flat files
- Created complex mappings in Talend using components like: **tMap, tJoin, tReplicate, tAggregateRow, tDie, tUnique, tFlowToIterate, tSort, tFilterRow, tWarn, tContextLoad**
- Utilized Big Data components like **tHDFSInput, tHDFSOutput, tHiveLoad, tHiveInput, tHiveOutput, tHiveRow, tHiveConnection**
- Worked on Talend ETL and used features such as Context variables
- Worked on Context variables and defined contexts for database connections, file paths for easily migrating to different environments in a project
- Implemented Error handling in Talend to validate the data Integrity and data completeness for the data from the Flat File
- Used different database related components like **tDbConnection, tDbInput, tDbOutput**

Cook Children's Health Care System - Informatica IDQ Developer
Lewisville, TX • 08/2020 - 11/2020

- Performed the roles of ETL Informatica and Data Quality (IDQ) developer on a data warehouse initiative and was responsible for requirements gathering, preparing mapping document, architecting end to end ETL flow, building complex ETL procedures, developing strategy to move existing data feeds into the **Data Warehouse (DW), perform data cleansing activities using various IDQ transformations**
- Extensively used Informatica Data Quality (IDQ) profiling capabilities to profile various sources, generate score cards, create and validate rules and provided data for business analysts for creating the rules
- Used Informatica Data Quality transformations to parse the "Financial Advisor" and "Financial Institution" information from Salesforce and Touchpoint systems and perform various activities such as standardization, labelling, parsing, address validation, address suggestion, matching and consolidation to identify redundant and duplicate information and achieve MASTER record
- Extensively worked on **performance tuning** of Informatica and IDQ mappings
- Hands on experience using query tools like TOAD, SQL Developer, PLSQL developer and Teradata SQL Assistant
- Built UNIX Linux shell scripts for running Informatica workflows, data cleansing, purge, delete, and data loading and for ELT process.

Blue Cross Blue Shield - ETL Developer
City, STATE • 09/2016 - 07/2020

- Involved in the Analysis of the functional side of the project by interacting with functional experts to design and write technical specifications
- Worked on the Architecture of ETL process and design document, and by using the Architectural design created the source to target mapping from source to target mapping documents that involves source file, **ODS Member match, Teradata tables, Transforming the data into 837 institutional and professional files and XML's**
- Coordinated with Business Users for requirement gathering, business analysis to understand the business requirement
- Designed data flow, workflow diagrams and prepared technical documents
- Performed analysis, design, development, Testing and deployment for Ingestion, Integration, provisioning using **Agile Methodology**
- Extensively used components like **tWaitForFile, tIterateToFlow, tFlowToIterate, tHashoutput, tHashinput, tMap, tRunjob, tJava delimiter components** and Db components to create Talend jobs
- Developed jobs to move inbound files to **HDFS** file location based on monthly, weekly, daily and hourly partitioning
- Created Data stage jobs (ETL Process) for populating the data into the Data warehouse constantly from different source systems like ODS, flat files, scheduled the same using Data Stage Sequencer for System Integration testing
- Extracted data from sources like **Flat Files, DB2, Oracle and Teradata**
- Developed technical infrastructure designs, data mappings, flows and report dissemination mechanisms by architecting Data Warehouses and Marts
- Designed and developed parallel jobs, server and sequence jobs using DataStage Designer
- Experience in using different types of stages like **Transformer, Aggregator, Merge, Join, Lookup, and Sort, remove duplicate, Funnel, Filter, Pivot,** Shared containers for developing jobs
- Developed various bulk load and update procedures and processes using SQL
- Loader and PL/SQL and Teradata SQL Assist
- Developed various data connections from data source to Tableau Desktop for report and dashboard development
- Created Schedules and Extracted the data into Tableau Data Engine
- Exported data from Hive to Teradata and using Sqoop export and created the reports using the Tableau
- Involved in working with various kinds of data sources such as **Teradata**
- Successfully loaded files to HDFS from Teradata, and load loaded from HDFS to HIVE and exported to Teradata based on business requirement
- Involved in the Documentation of the ETL phase of the project
- Documenting business process, lesson learned & best practices for the project