JESSICA CLAIRE

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AREAS OF EXPERTISE

- Informatica Powercenter 9.x
- Data warehousing and analytics
- UNIX/LINUX and Unix Shell Scripting
- SQL and PL/SQL
- Oracle9i/10g/11g
- Teradata13
- Python2.7
- ERwin
- Autosys
- Control M
- Preparation of High Level-Design (HLD), Low-Level Design (LLD)
- Bug fixing
- Performance and scalability optimization
- Capstone
- SharePoint
- SDLC and Agile Methodology

EDUCATION

Punjab Technical University
2005

Bachelor of Science: Information Technology

SUMMARY

- Software developer with more than 7 years of experience in designing, developing and implementing ETL solutions for Data warehousing/BI and OLTP applications in Healthcare, manufacturing and financial services domains.
- Extensive experience of using Informatica 9.x. PowerCenter toolset with source systems like SAP R/3, flat flies, relational tables and XML files
- Strong experience in handling large scale databases and managing high volume data in Oracle 11g/10g/9i and Teradata13.
- Ample experience in developing Stored Procedures, Functions, Triggers and writing complex SQL queries.
- Expertise in writing UNIX shell scripts and automation/scheduling of the ETL processes using UNIX shell scripting.

EXPERIENCE

Two95 International Inc. - Sr ETL Developer
08/2014 - 02/2016

Client : CVS Caremark, Rhode Island, USA

Project Details
Business wanted to develop a secondary data-center in active-active architecture to support its drug dispensing application. The main purpose of which is to share load/traffic on the regular basis and quick recovery from other site in a case of disaster to support all the 7700 stores without any downtime for the application.

Roles and Responsibilities

- Coordinated with business analyst and solution architect for the requirement analysis and identification of key design component in BRD.
- Converted business requirement into high level and low level designs and drafted the same in SDD.
- Drove research for proof-of-concept for key design decision in active-active architecture.
- Designed and customized data models using ERwin for supporting application in a 2 site scenario.
- Created/refactored ETL flows using Informatica PowerCenter9.x to extract data from flat files, relational tables(Oracle10g\11g) and XML files to transform\load the data accordingly. Also, developed/updated PL/SQL procedures/packages and called them through ETL flow.
- Tuned the existing ETL flow for better performance.
- Designed and implemented process automation using Unix shell scripting for handling restartablity of batch jobs from other site.
- Created Unix shell scripts & PMCMD commands to start workflows from unix shell, to FTP files from remote server, file watcher mechanism and backup of repository and folder.
- Refactored existing shell scripts to handle active-active architecture.
- Created scheduling jobs in Control-M to schedule the sessions.
- Created and executed unit test cases, Coordinated with QA team for defect resolution and closure.
- Provided recommendations\inputs for migration strategy for ETL/batch processes.

Cgi Group Inc. - ETL Developer
05/2012 - 06/2013

Client: Eli Lilly, Indianapolis, USA

Project Details
Main purpose of the project was to develop a centralized EDW for all the manufacturing sites in different regions and create a single BI solution on top of it.

Roles and Responsibilities

- Coordinated with business analyst and solution architect for requirement analysis.
- Done analysis of Source, Requirements of existing OLTP and BI system of the region and identified required dimensions and facts from the Database.
- Participated in designing the Dimensional Model for the EWD.
- Designed and Drafted detailed design for the requirement based on business objectives and architectural documents.
- Created complex ETL flows using Informatica powercenter9.x to extract and transform data from flat-flies, SAP R/3 tables, relational tables(Oracle and Teradata).
- Developed stored procedures, packages, functions, triggers, sql queries to support ETL mappings.
- Designed and implemented CDC(change Data capture) mechanism using mapping variables.
- Developed ABAP programs to customize the extraction of data from SAP tables.
- Implemented SCD1, SDC2 (slowly changing dimensions type 1, type 2).
- Designed and developed mapplets/worklets and reusable transformations to implement code re-usability.
- Worked on Teradata Utilities like BTEQ, FASTLOAD, MULTILOAD to load data into Teradata target tables.
- Wrote UNIX shell scripts & PMCMD commands to start workflows from unix shell , to FTP files from remote server and backup of repository and folder.
- Performed unit testing and handled defect fixing and closure in system testing phase.

Cgi Group Inc. - ETL developer
06/2011 - 05/2012

Client: GoodYear Tire and Rubber Company, Akron, USA

Project Details
The objective of the project was to maintain GoodYear's Enterprise Data warehouse.

Roles and Responsibilities

- Requirement analysis by referring BRD documents and interacting with application architect, modelers and clients.
- Parsed high-level design specification and created Low-level design documents.
- Developed and implemented ETL flows to extract data from flat files, relational databases (Teradata, Oracle) and SAP R3 tables. Develop ABAP programs for the same and performed Cleansing of data.
- Used various transformations like Filter, Expression, Normalizer, SQL Transformation, Transaction control, Data Masking, Lookup, Router, Sequence Generator, Update Strategy, Joiner, Stored Procedure, and Union etc. to develop robust mappings in the Informatica.
- Developed mapping parameters and variables to support SQL override.
- Created and implemented different tasks in Workflows like sessions, events raise, event wait, decision, e-mail, command, worklets, Assignment, Timer, file-watcher in workflow designer.
- Worked on Teradata Utilities like BTEQ, FASTLOAD, MULTILOAD to load data into Teradata target tables.
- Designed and developed mapplets to use them in different mappings. Designed ETL mappings to load into staging tables and then to Dimensions and Facts.
- Involved in Performance tuning at source, target, mappings, sessions, and system levels.
- Prepared Autosys jobs to scheduled the ETL mappings on daily, weekly, monthly and yearly basis.
- Analyzed production issues to implement as enhancements to the system.

Two95 International Inc. - Software Developer
01/2007 - 07/2010

Client: Ally Bank Financials (GMAC), Detroit, USA

Roles and Responsibilities

- Understand the business needs and implement the same into a functional database design.
- Designing logical and physical database using Erwin tool.
- Developed packages, stored procedures and functions to perform calculations and implement business logic.
- Implemented Triggers, Views, Synonyms, Hints, Partitioning of Tables, Global Temporary Tables, materialized views, collections and ref cursors.
- Extensively worked on the performance tuning of existing code, queries.
- Preparation and execution of unit test cases and provide resolution for bugs raised in QA phase and UAT phase.
- Analyzed the defect matrix at end of release and performed root cause analysis.
- Performed database validations during production deployments and warranty support post deployment.
- Created shell scripts to automate various processes like ftp files to and from third party server, file watcher, checking memory availability on servers, preparing/cleansing flat files to load database etc.