**Sayed Islam**

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**OBJECTIVE**

To obtain a position as **Informatica Developer** with advancement potential in a progressive institution which will allow me to utilize my knowledge and skill to design, develop and deploy efficient **ETL** process to build powerful Data warehouse.

**PROFESSIONAL SUMMARY**

* **9+ years of e**xtensive experience in Information Technology with special emphasis on design and development of **ETL Process**, building **Data Warehouse**/**EDW,** performance on **Data Integration Services, Database Testing.**
* **7+ years** of experience utilizing **Informatica Power Center** in **all the phases** of the **Data Warehouse Life Cycle involving design**, **Development**, **Analysis.**
* Expertise in **SQL, PL/SQL, T-SQL, Procedures/Functions, Stored Procedures, Triggers, Packages, Index Design and Tuning.**
* **2+ years** of experience as **QA Analyst/Test Engineer** on **Manual** and **Automation Testing** using **ALM, JIRA, Bugzilla, Quality Center, QTP, Selenium.**
* Practical understanding of the **Data modeling** (Dimensional & Relational) concepts like **Star-Schema Modeling**, **Snowflakes Schema Modeling**, **Fact and Dimension tables**, **Pivot Tables**.
* Expertise in **Data Cleansing** at **staging level** with utilization **Informatica Power Center.**
* Extensive experience in Data warehousing tools **Informatica Power Center** using different modules like **Designer, Workflow Manager, Workflow Monitor** and **Repository Manager.**
* Experience in integration of various data sources like **Oracle, Teradata, Netezza, SQL server, SAP, Sybase, Informix, MQ series and XML, Flat files, Mainframes, XML** files and **Scheduling tools** like **Control-M, Autosys** and **Informatica Scheduler**.
* Expertise in **Performance Tuning, Indexing** and **Partitioning techniques** on **sources, targets, mappings and workflows**
* Experience **writing** and **modifying ETL Design Documentation**, **Test Results Documentation** and **Standard Operating Procedures (SOP)** documentation.
* Experience in developing **Shell Scripts** on **UNIX** and experience with **UNIX command line.**
* **Experience** in **Scrum framework** and its implementation in fast-paced **Agile Development** environment.
* Hands-on knowledge of **Software Testing** as **Quality Assurance Analyst/Performance Test Engineer** and related matters.
* Have good **communications**, **management** and **problem solving skills** with **self-motivation, ability to working dependently or cooperatively** in a team.

**ACADEMIC QUALIFICATION**

Bachelor of Science in Computer Science, Asian University of Bangladesh

**DOMAIN KNOWLEDGE**

Financial, Healthcare, Insurance, Retail/E-Commerce

**IMMIGRATION STATUS**

GC/EAD (Authorized to work for any company in USA)

**TECHNICAL SKILLS**

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| --- | --- |
| **ETL Tools** | Informatica Power Center (10.1/9.6.1/9.1/8.6), Informatica Power Exchange (10.1,10.0,9.6.1,9.5.1), SSIS (SQL Server 2012, 2014) |
| **Database** | Oracle 11g/10g/9i/7i, MS SQL Server (2012,2014,2016), Teradata, DB2-UDB, Informix, Netezza |
| **BI/Reporting Tools** | Tableau, SSRS, OBIEE, Pentaho, Business Objects, Crystal Report, Micro Strategy |
| **Data Modeling Tools** | ER/Studio, ERWIN, Power Designer |
| **Languages** | SQL, PL/SQL, T-SQL, UNIX Shell Scripts, Java, VB Scripts, |
| **Operating Systems** | UNIX/LINUX, AIX, Windows, MS Windows Server, MS DOS |
| **Other Applications** | Toad, SQL Developer, Visual Studio, MS Visio, Control M, Autosys, JIRA,QC |
| **Protocol** | ODBC, JDBC, OLE\_DB, TCP/IP |
| **Server** | MS SQL Server, LINUX Server |

**PROFESSIONAL EXPERIENCE**

**Informatica Developer**

**USAA, San Antonio, TX October 2016 to Till Present**

**Project description: P&C & WDS**

**P&C:** Property and Casualty data warehouse is built for providing the business partners to access data for strategic and analytical decision making and also periodically used for agencies data calls. The team goal is to bring all the new project data from operational data into **SDS** (Staging Data Store) to provide all the new data elements to business team. P&C Interface Project included Claims Interactive Wall, Claims CLR Property Migration, AL Clarity Data Call (Report).

**WDS:** Wildlife Defense System **(WDS)** data feed project is initiated while USAA tie up with WDS external vendor who support wildfire. USAA provide weekly feed on member’s details to WDS vendor for supporting wildfire project.

**Responsibilities:**

* Worked with business analyst to understand business requirement in order to transform business requirements into effective technology solutions. Also involved in robust teamwork with Managers, Architects and Data Modelers to understand the business process and functional requirements.
* Created high-level, low-level design documents, **ETL specification** documents, **data model** document and test document.
* To implement business rules created robust **mapping, mapplets and reusable transformation using Informatica Power Center and its different transformation including Joiner, Look-up, Rank, Filter, Router, Expression, Aggregators, Sequence Generator, Sorter, Update Strategy**.
* Improved and enhanced various jobs in different cycles by creating **reusable** and common job techniques, extensively used **parameters** at run time to push in job related parameters.
* Worked with **connected** and **unconnected look-up** and configured the same for implementing complex logic.
* Worked on **performance tuning** by **identifying the bottlenecks** in Sources, Targets, and Mapping. Enhanced Performance on Informatica sessions using large data files by using **partitions**.
* Involved in the **design**, **developmen**t and testing of the **PL/SQL stored procedures**, **packages** for the **ETL processes**.
* Created **Unix Shell Scripts** for ETL jobs, **session log cleanup**, **dynamic parameter** and maintained shell scripts for data conversion
* Managed the authenticity of jobs by **checking-in** & **checking-out code** from Star Team code versioning tool.
* Worked in **SSAS Packages (Cube)** development, processing and validating the cubes.
* Developed business object reports like universe, **crystal reports** for business validation.
* Worked with Offshore team to oversee the development activity, reviewed code to make sure it confirms the standard programming practice at USAA.
* Good working experience in **Tableau Dashboard** and extensive uses of **Tableau features** like **Data blending, Extracts, Parameters, Filters, Calculations, Context Filters, Hierarchies, Actions, Maps** etc.
* Build number of **UNIX Shell scripts** for **PL/SQL** programs to schedule them on **Control M**.

**Environment:** Informatica Power Center 10.1/9.6, Power Exchange 10.1/9.6, Oracle 11g, Teradata 14,

SQL/PLSQL, IDQ, SQL Server 2014, UNIX/LINUX, Tableau, Control M, Putty, Rally.

**Informatica Developer**

**T-Rowe Price, Baltimore, MD May 2015 to July 2016**

**Project description:**

In this project we developed a new **Data Mart**. This data mart consists of **Star Schema** data design features and **fact** tables, conformed dimensions, link **dimensions** (Fact-less Dimensions) and hierarchy tables in it. The main reason for building this data mart is to store data and make it accessible to support **analytic** functions and features (like Balances, Accounts, Customers, Officers, Products, Collateral, Accruals, Payments, Interest Rates, FTP, Demographics, Segmentation), provide stored raw data metrics (i.e. balance) / derived metrics (i.e. MTD avg. Balance)/daily metrics/monthly metrics/EDW missing metrics.

**Responsibilities:**

* Developed **Data Flow diagrams** to create **Mappings** and **Test plans** from **OLTP** systems staging to Data warehouse.
* Designed and developed **Mappings** from **OLTP** to Stage and Stage to **DWH** and effectively used **Informatica Transformations** like **Source Qualifier, Joiner, Expression, Router, Aggregator, Connected and Unconnected Lookup, Normalizer, Update Strategy** etc.
* Developed **complex mappings, mapplets** using Informatica workflow designer to integrate data from varied sources like Teradata, Oracle, SQL Server, Flat files and loaded into target.
* Worked on **performance tuning** by **identifying the bottlenecks** in Sources, Targets, and Mapping. Enhanced Performance on Informatica sessions using large data files by using **partitions**.
* Worked with **Static cache, Persistent cache, Dynamic cache, Index cache, Data cache**.
* Extensively performed **Data Masking** for preserving the referential integrity of the user data.
* Build number of **Unix Shell scripts** for **PL/SQL** programs to schedule them on **Control M**.
* Assisted the development team to design standards and codes for effective **ETL procedure** development and implementation.
* Worked with **SQL Override** in the **Source Qualifier** and **Lookup** transformation.
* Involved in the **design**, **developmen**t and testing of the **PL/SQL stored procedures**, **packages** for the **ETL processes**.
* Experience in using SSIS tools like Import and Export Wizard, Package Installation, and SSIS Package Designer.
* Created **Unix Shell Scripts** for ETL jobs, **session log cleanup**, **dynamic parameter** and maintained shell scripts for data conversion.
* Prepared Unit Test plan and efficient unit test documentation was created along with Unit test cases for the developed code.
* Involved in the process design documentation of the DW Dimensional Upgrades.
* Validate the data in source and target systems using PL/SQL queries.

**Environment:** Informatica Power Center 9.6, Power Exchange 9.6, Oracle 11g, Teradata 14, SQL/P SQL, IDQ, SQL Server 2012, AIX, Windows XP, LINUX, UNIX, Putty, Rally, Autosys.

**Informatica Developer**

**United Healthcare Group,** Minnesota, MN **February 2012 to April 2015**

**Project description:**

UHG is one of the largest healthcare organizations providing health care services. The goal of the project is to **analyze operational data** sources, **define the data warehouse**, **schedule** and develop **ETL** processes, expertly transform business requirements into technical, design various mappings for extracting data from various sources involving Flat files, Oracle, Teradata, Sybase, SQL Server and IBM DB2, tuning performance of ETL procedures and processes, **debugging** and **troubleshooting** with **Informatica** application. Establish Test plan to verify the logic of every Mapping in a Session.

**Responsibilities:**

* Developed **ETL** jobs to **extract** information from Enterprise Data Warehouse.
* Extensive use of ETL process to load data from different **RDBMS, XML** and **flat files.**
* Used **Informatica Repository Manager** to create repositories and users and set permissions.
* Experience in Performance tuning of SQL queries and mainframe applications.
* Involved in Data Extraction from Oracle, Flat files, Mainframe files using Informatica.
* Debugged the mappings extensively, hard coding the test data to test the logics going instance by instance.
* Handle the **migration** process from **Development, Test** and **Production Environments.**
* Implemented **Type 2** slowly changing dimensions to maintain dimension history and tuned the mappings for **Optimum Performance.**
* Developed **PL/SQL Procedures** at the database level that were used in the mappings through **Stored Procedure** Transformation
* Used Informatica Designer to design mappings and coded it using **reusable mapplets**.
* Developed **workflow sequences** to control the execution sequence of various jobs and to email support personnel.
* Involved in unit testing and documenting the jobs and work flows.
* Set Standards for **naming conventions** and best practices for Informatica mapping development.
* Used database objects like Sequence generators and Stored Procedures for accomplishing the Complex logical situations.
* Created various **UNIX shell scripts** for Job automation of data loads
* Created mappings which include the **Error Handling Logic** being implemented to create an error, ok flags and an error message depending on the source data and the lookup outputs

**Environment:** Informatica Power Center 8.6/9.1, Oracle 11g, Oracle Data Integrator, SQL, PL/SQL, SQL Developer, IDQ, ERwin, MS VISIO, Autosys, QC, LINUX, UNIX.

**Informatica Developer/ ETL Developer**

**PNC Bank, Cleveland, OH May 2011 to January 2012**

**Project description:**

FAS is a financial module used by Corporate and Investment banking division of PNC Bank to analyze the profit and loss information by organization over a period of time. The source data is obtained from various vendors (including SunGard and ADP) on a daily basis. A one-to-one copy of this data is maintained in EDS (External Data Store). From the EDS, the data is transformed based on the business rules and gets loaded into ODS (Operational Data Store) and in turn it copies one-to-one to OLAP (Online Analytical Processing). The data in OLAP is reconciled to General Ledger by the FAS Finance team and eventually, this historical data is used in Profit and Loss Analysis and Decision making.   
   
**Responsibilities:**

* **Extracted** and **transformed** data from Flat Files and Oracle and then loaded into Oracle using **Informatica Power Center.**
* Created **Source definitions, Target definitions, Mappings, Transformations, Reusable Transformations, Mapplets** using **Informatica Designer** tool, which includes **Source Analyzer, Warehouse Designer, Transformation Developer, Mapping Designer** and **Mapplets Designer.**
* Developed mappings for the Initial loads of the dimensions and incremental loads including **Type1 and Type2.**
* Utilized **Slowly Changing Dimensions**. Created corresponding workflows and sessions and various transformations like Source Qualifier, Expression, Filter, Joiner, Router, Lookup (Connected and Unconnected, Static and Dynamic cache) and Aggregator were used.
* Wrote **SQL overrides** in **Source Qualifier** and **Lookups** according to business requirements.
* Involved in capturing the **incremental changes** in the source systems for updating in the staging area and data warehouse respectively
* Worked on **performance tuning** for **ETL** processes.
* Created mappings using **Unconnected, Connected Lookup and Aggregate** transformations for populating target table in efficient manner.
* Tuned performance of Informatica session for large data files by increasing block size, data cache size, sequence buffer length and target based commit interval.
* Extracted data from different sources like Oracle and Flat files and loaded the data into DWH.

**Environment:** Informatica Power Center 8.6, Informatica Power Exchange 8.6, Oracle 10g, Oracle Data Integrator, SQL, PL/SQL, SQL Developer, Erwin, Oracle Designer, MS VISIO, Autosys, QC, LINUX, UNIX.

**ETL Test Engineer**

**WellPoint Insurance/Anthem, Virginia Beach, VA January 2010 to April 2011**

**Project description:**

It was an EDW-CRM project at WellPoint Inc. This project was geared towards delivering a Business Intelligence solution to redesign existing legacy system with new enhanced version Enterprise Data Warehouse (EDW) which has the capability to establish data governance, consolidate multiple source systems and build a holistic system which replaces manual generation of reports. Additionally, sourcing data from CRM subject area into EDW with new BI requirements.

**Responsibilities:**

* Analyzed the Business Requirements Document, Functional Specifications documents to prepare Test Cases based on the Test Plans and Use Cases.
* Created and executed **SQL queries** to **fetch data** from **database server** to **validate** and compare expected results with those actually obtained.
* Write **complex SQL queries** to validate loaded data in the EWD according to the implemented logic.
* Tested data imported from various sources like **Oracle, MS SQL Server, Teradata, XML** files.
* Validate Data Warehouse schema, Informatica ETL and BI changes for Dish and Sling EDW
* Write complex Teradata SQL queries to validate data loaded in the Enterprise Data Warehouse against the logic implemented in Informatica mappings
* Work with data coming from various sources (Oracle, Teradata, Netezza, ASCII and XML files)
* Experience in creating Excel VB Macros and Pivot Tables for reporting and analysis
* Assist other analysts and developers by debugging defects and performing root cause analysis
* Used SQL queries and UNIX Shell scripts to check the database integrity.
* Performed report generation & defect tracking activities by using Quality Center.
* Used TOAD Software for Querying Oracle. And Used Teradata SQL Assistant for Querying Teradata.

**Environment**: SQL/PL SQL, Toad, SQL Developer, Oracle 10g, SQL Server 2008, Shell scripting, UNIX/LINUX, Quality Center.