Carlos A Domargo

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OBJECTIVE

Looking for a BI/SQL/Data Modeler Developer Position.

SKILLS

Programming Languages: SQL, T-SQL, Java, HTML, C#, C, C++, CSS, JavaScript, SQL, PHP, JQuery

Databases: Microsoft SQL Server 2000/2005/2008R2/2012, MS Access, Excel, Teradata, Postgres, Oracle, SalesForce

Technologies: SSIS, SSAS, SSRS, SQL Server Management Studio, BIDS, SQL Server Profiler, Database Engine, Tuning Advisor, Intuitive ERP Software, Pentaho DI, Power BI, Tableau

Data Modeling Tools: ER Win

Operating Systems: Windows Server 2003/2008, Windows XP Pro, Vista, 7, 10, Ubuntu

Languages: Proficient English, Proficient Spanish

Other: Bootstrap, MVC, Ajax, JSON, JSONB

WORK HISTORY

Urban Policy Development - Remote

Senior ETL Developer

May 2016 – Present

Project: New Mexico Public Education Department Teacher Preparation Program Dashboards
Description: This project consisted of Populating and customizing the Ed-Fi ODS to power up the TPP Dashboards.
Technologies: SSIS, SQL Server 2014, SSRS

Project: New Mexico Public Education Department AMP Dashboards
Description: This project consisted of Populating a custom ODS and Dashboards Database to power up the AMP Dashboards.
Technologies: SSIS, SQL Server 2014, SSRS

Project: Shelby County Schools DataWarehouse and EWS Dashboards
Description: This project consisted of extending the Ed-Fi ODS and ETL Strategies to power the Data Warehouse and the Early Warning System Dashboards.
Technologies: SSIS, SQL Server 2014, SSRS

Responsibilities:
✓ Tested and validated the newly generated 2.0 XML files with MapForce, XMLSpy and SSIS according to the business Requirements.
✓ Designed, Implemented and Deployed many complex SSIS packages along with Master-Child packages that would use different tasks and transformations according to business requirements.
✓ Worked hand by hand with the Data Analyst to analyze the source data provided by the client.
✓ Worked hand by hand with ETL developers to handle ETL Reject Strategies and address any possible issue with the table structure design.
✓ Wrote TSQL scripts and complex Stored Procedures to implement the business needs and to support the front end applications.
✓ Used the Database Engine Tuning Advisor and SQL Server Profiler to keep track and improve the performance of Database objects and ad-hoc queries.
✓ Designed drilldown and drill-through Sanity Check, Accountability, District Profiling, and QA Check SSRS Reports

Department Of Justice - Remote

Data Analyst

April 2015 – May 2016

Project: Bureau of Justice Statistics
Description: This project consisted of re-designing and optimizing the bureau of justice statistic's websites.

Technologies: SSIS, SQL Server 2012, Oracle, SAS, Sharepoint

Responsibilities:
- ✓ Assuring data currency according to established data requirements and quality validation and verification processes
- ✓ Worked hand by hand with the data architect to Design, Develop, and Integrate an ETL Strategy to populate the Data Warehouse using different homogeneous and heterogeneous source systems.
- ✓ Wrote TSQL scripts and complex Stored Procedures to implement the business needs and to support the front end applications.
- ✓ Used the Database Engine Tuning Advisor and SQL Server Profiler to keep track and improve the performance of Database objects and ad-hoc queries.
- ✓ Designed, Implemented and Deployed many complex SSIS packages along with Master-Child packages that would use different tasks and transformations according to business requirements.
- ✓ Created SQL Server instanced as per requirements and maintained using different maintenance plans to create backups on data and logs files.
- ✓ Created Maintenance plans to check and fix index fragmentation, optimize databases, shrink databases, and rebuild indexes.
- ✓ Migrated data using different OLEDB Sources and Flat Files and integrated the data into Sharepoint within different lists.

Double Line Partners - Austin, Texas - Remote
Senior ETL Developer
Jun 2012 – April 2015

Project: Nebraska Department of Education (NDE) DataWarehouse, and Dashboards.
Description: This project consisted of Populating and customizing EdFi DW, an Accountability DataMart, and Dashboards as per Business Requirements.
Technologies: MS SQL Server 2012, SSIS, SSRS, Visual Studio 2010, Postgres, REST API, C#

Project: Pennsylvania Department of Education (PDE) Operating Data Storage, DataWarehouse, and Dashboards.
Description: This project consisted of Populating and customizing the EdFi ODS, EdFi DW, and Dashboards as per Business Requirements.
Technologies: MS SQL Server 2012, Postgres, SSIS, SSRS, Visual Studio 2010

Project: Denver Public Schools (DPS) Data Pipeline Project.
Description: This project consisted of enhancing the reporting system by Populating and customizing the EdFi ODS, EdFi Data Warehouse, and Data Repository.
Technologies: MS SQL Server 2012, SSIS, SSRS, Visual Studio 2010, Teradata

Project: Arkansas Department of Education (ADE) Operating Data Storage and Dashboards.
Description: This project consisted of Populating and customizing the EdFi ODS and Dashboards as per Business Requirements.
Technologies: MS SQL Server 2008R2, Postgres, SSIS, SSRS, PowerShell, Python, ETLUnit

Project: Little Rock School District (LRSD) Dashboards population.
Description: This project consisted of Populating and stabilizing data loads in the Dashboards as per Business Requirements.
Technologies: MS SQL Server Postgres, 2008R2, SSIS, SSRS, PowerShell, Python, ETLUnit

Project: Revamping Double Line Partners Core ETL Strategies to the latest stable version.
Description: This project consisted of Revamping all the core ETL Strategies from Ed-Fi version 1.0 to Ed-Fi version 1.1 for Double Line Partners.
Technologies: MS SQL Server 2008R2, SSIS, SSRS, PowerShell, Python, Altova MapForce, Altova XMLSpy, ETLUnit

Project: Denver School of Science and Technologies Data Warehouse.
Description: This project consisted of moving and accommodating Data up to the Ed-Fi standards for the Denver School of Science and Technologies (DSST) to make their data compatible and more manageable. The Data Warehouse loads were based on the newly populated Ed-fi ODS.

Technologies: MS SQL Server 2008R2, SSIS, SSRS, PowerShell, Python, ETLUnit, Altova MapForce, Altova XMLSpy, ETLUnit, Teradata

Responsibilities:
- ✓ Worked hand by hand with the Data Analyst to analyze the source data provided by the client.
- ✓ Worked hand by hand with the data architect to Design, Develop, and Integrate an ETL Strategy to populate Data warehouses used by the Ed-Fi Core Standards and DSST.
- ✓ Worked hand by hand with ETL developers to handle ETL Reject Strategies and address any possible issue with the table structure design.
- ✓ Wrote TSQL scripts and complex Stored Procedures to implement the business needs and to support the front end applications.
- ✓ Used the Database Engine Tuning Advisor and SQL Server Profiler to keep track and improve the performance of Database objects and ad-hoc queries.
- ✓ Designed drilldown and drill-through Sanity Check, Accountability, District Profiling, and QA Check SSRS Reports
- ✓ Mapped data from XML, Excel, OLE DB, and ODBC Sources to XML using MapForce features and following the Ed-Fi standards.
- ✓ Tested and validated the newly generated XML files with MapForce, XMLSpy and SSIS according to the business Requirements.
- ✓ Worked sing XML Sources, while at the same time using Lookups, Merge Joins, and strategies to handle Exceptions.
- ✓ Tested and debugged SSIS packages by using custom loggings, event handlers, Data Viewers, and breakpoints
- ✓ Designed, Implemented and Deployed many complex SSIS packages along with Master-Child packages that would use different tasks and transformations according to business requirements.

Scottcare Cardiovascular Solutions - Remote

Senior SSIS Developer Contractor

November 2014 – May 2015

Project: This project was initiated to create and maintain SSIS ETL Strategies to act as an Interface between the Intuitive ERP Software and SalesForce and ensure the healthcare product, including HL7 product data were meeting the business and domain rules.
My Role in this project consisted of identifying the best strategy to extract data from the Intuitive ERP Software and populate the SalesForce cloud database to appropriately reflect any updates in the SalesForce interface using an in-house application (Intuitive ERP).
Technologies: SSIS, Visual Studio 2005, SQL Server 2005, Windows Server 2005, SalesForce, Intuitive ERP Software, SSIS Task Factory

Responsibilities:
- ✓ Worked hand by hand with the Data Analyst to analyze the source data provided by the client.
- ✓ Worked hand by hand with the data architect to Design, Develop, and Integrate an ETL Strategy to populate the SalesForce cloud database using an in-house SQL Database.
- ✓ Created ETL Reject Strategies to keep track of bad data trying to be inserted into the SalesForce cloud DB
- ✓ Wrote TSQL scripts and complex Stored Procedures to implement the business needs and to support the front end applications.
- ✓ Used the Database Engine Tuning Advisor and SQL Server Profiler to keep track and improve the performance of Database objects and ad-hoc queries.
- ✓ Tested and debugged SSIS packages by using custom loggings, event handlers, Data Viewers, and breakpoints
- ✓ Designed, Implemented and Deployed many complex SSIS packages along with Master-Child packages that would use different tasks and transformations according to business requirements.
- ✓ Created SQL Agent Jobs to make sure they ran in a particular basis as per requirements
- ✓ Deployed SSIS packages into the Server's Integrations Services Catalog to be consumed by the SQL Server Agent Jobs.

Leaselytics Inc, Remote

Co-Founder & CTO

March 2014 – September 2014

Project: This project was initiated to stand-up Analytical Dashboards for property owners.

My Role in this project consisted of leading the entire IT team to make sure that client requirements and internal specifications were fulfilled. I was in charge of making sure that the different environment were configures along with the web applications, the databases, and the necessary ETL Strategies.
Technologies: MySQL, PHP, HTML, CSS, JavaScript, JQuery, Bootstrap, Symfony2, NodeJS, Pentaho, Linux, Jenkins CI, REST API

Responsibilities:
- ✓ Manage internal processes.
- ✓ Manage and Maintain Development/QA/Production environments
- ✓ Worked on database management activities such as scrubbing, metadata index and table creation.
- ✓ Create/Maintain ETL processes using Pentaho BI Solutions.
- ✓ Created Indexes to reduce data retrieval time and maintained index fragmentation.
- ✓ Implement, Maintain, and manage a continuous integration server to make sure code updates are easily rolled up to any environment by using Jenkins-CI
- ✓ Conduct technical Interviews for new developers
- ✓ Conduct Daily SCRUM meetings with the team
- ✓ Update and Maintain back-end and front-end code for the web application using MVC Patterns with PHP and JavaScript
- ✓ Create, Maintain, and Optimize the MySQL DB Structure and Data.
- ✓ Interact with clients to fit their needs for the web application
- ✓ Created strategy to pull data from clients using their REST API and perform ETL processes using Pentaho BI Solutions

State Farm, El Paso TX

SQL/ ETL SSIS Developer

Feb 2011 - May 2012

Project: This project was initiated for the CRM activities of the company and a data mart, OLAP cubes as well as reports were generated for Business Analysis and reporting purposes. The main goal of the project was to design efficient and optimal ETL strategy using MS SSIS tool that would grab data from different heterogeneous sources into centralized DW.
Technologies: MS SQL Server 2005/2008R2, SSIS, SSAS, SSRS, C#, ER Win, TFS

Responsibilities:
- ✓ Wrote TSQL scripts and complex Stored Procedures to implement the business needs and to support the front end applications.
- ✓ Designed an advanced Online Analytical Processing (OLAP) tool to provide timely assistance for any problems arising in the business application
- ✓ Maintained all the trouble shoot and debugging reports within the system.
- ✓ Worked on database management activities such as scrubbing, metadata index and table creation.
- ✓ Worked on XML data source to grab data from XML files using XSLD and put it into pre-staging and staging according to business requirements.
- ✓ Created Indexes to reduce data retrieval time and maintained index fragmentation.
- ✓ Designed ETL SSIS packages using Conditional Split, Data Conversion, and Fuzzy Logic with C# technologies.
- ✓ Developed user audit strategies and major changes to the production tables using ETL packages. Also managed user permissions on database objects.
- ✓ Improved the functionality of SSIS packages by implementing advanced SSIS features like transactions, checkpoints, loggings, configurations, error-handling etc.
- ✓ Optimized the performance of slow executing SSIS packages by making changes as Control Flow and Data Flow like avoiding blocking transformations, increasing buffer size.
- ✓ Good experience working on different SSIS transformations like Merge, Merge Join, Union, Union All along with complex string matching algorithm like Fuzzy Grouping and Fuzzy Look Up.
- ✓ Generated several weekly, monthly, quarterly, yearly, parametric, drilldown and chart reports using SQL Server Reporting Services (SSRS)
- ✓ Designed different types of reports Managed Reports such as Drill Down, drill through, sub and linked reports using the SSRS.
- ✓ Managed very large reports that return a large volume of records and optimized their performance using techniques like cascading parameters and filters.
- ✓ Scheduled the delivery of reports in different formats such as PDF, Excel, using standard and data driven subscriptions in SSRS to generate all daily, weekly, monthly and quarterly reports including current status.

- ✓ Created Sub-Reports, Drilldown-Reports, Summary reports, parameterized reports, cascaded reports in SSRS by linking aggregate data to support summarized view as well as detailed view.

MIRATEK Corp Inc. El Paso, TX

Data Warehouse/BI-SSIS Developer

Jan 2010 - Jan 2011

Project: This project's purpose was to design and optimize the referral tracking system for the Miratek Customers. This application allowed the Managers to keep track of the financial activity with all the Miratek Customers in their respective zones. Major Responsibility included Production Support for the Production database, and creating SSIS packages for implementing enhancements in the existing deployed ETL strategy, and deploying them depending upon different business Requirements.
Technologies: MS SQL Server 2005/2008, SSIS, SSAS, SSRS, C#, C++, ER Win, Visual Studio

Del Sol Medical Center, El Paso, TX

SQL/ Data Warehouse Developer

Sept 2008 – Dec 2009

Project: The project included the development of a DSS and design of data mart cubes in support of the finances of the medical center. Project involved creation of Data Base objects right from designing the databases to the creation of its physical instance. The end result of the project included creation of custom interactive reports that could be appropriately sent to the end clients.
Technologies: MS SQL Server 2005/2008, SSIS, SSAS, SSRS, ER Win, Visual Studio

EDUCATION

The University of Texas at El Paso

Bachelor of Science in Computer Science - El Paso, Texas - Jan 2007 - Dec 2011