**Hanna Aberham**

Email: **aberhamhanna@gmail.com**

Contact: **(240)-324-6471**

**Professional Summary:**

* 5+ years of experience in Software Analysis, Design, Development, Testing and Implementation of Business Intelligence/Data Warehouse Solutions using Microsoft SQL Server 2016/2014/2012/2008 R2/2008
* Experience in all phases of the Software Development Life Cycle (SDLC).
* Proficient in relational database modeling (Conceptual, Logical and Physical Modeling) and normalization
* Excellent knowledge in RDBMS concepts and constructs along with Database Objects creation such as Tables, User Defined Data Types, Indexes, Stored Procedures, Views, User Defined Functions, Cursors and Triggers
* Designed Data Mapping documents, DDL scripts, Data Dictionary and Meta data of the models and maintained them. Created Error and Performance reports on SSIS Packages.
* Highly proficient in using T-SQL for developing complex Stored Procedures, Triggers, Tables, Views, User Functions, User profiles, Relational Database Models and Data Integrity, SQL joins and Query Writing.
* Experience in SSIS\SSRS\SSAS\POWER BI Wide experience in building static, dynamic and interactive reports using BIDS and Report Builder.
* Experienced with full development cycle of a Data Warehouse, including requirements gathering, design, implementation, and maintenance.
* Experienced in ETL from various heterogeneous data sources like Access, Excel, and CSV, flat files using connectors, tasks and transformations provided by SSIS.
* Created SSIS packages to extract data from OLTP and transformed to OLAP systems and Scheduled Jobs to call the packages and SQL codes.
* Experienced in optimization tools such as Index tuning wizard, SQL Profiler and Windows Performance Monitor for monitoring and tuning MS SQL Server Performance.
* Implemented Power BI gateway different sources to matching analytical dashboards that depicts critical KPIs.
* Expertise in Power BI, Power BI Pro, Power BI Mobile.
* Expert in creating and developing Power BI Dashboards into rich look.
* An excellent team player & technically strong person who has capability to work with business users, project managers, team leads and architects, thus maintaining healthy environment in the project.
* Designed and coded application components in an Agile environment utilizing a test-driven development approach, also created, and maintained project tasks and schedules.
* Flexible to adapt to any new environment and work on any project.

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**Technical Proficiencies:**

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| Operating Systems: | Windows XP, Vista,7, Windows Server 2008 /2012/2014/2016 |
| Database Packages: | SQL Server 2005/2008/R2/2012,2016,2017 MS Access |
| BI Tools: | BIDS/SSDT, SSMS, SSIS/SSAS/SSRS, SharePoint, TFS, Power Pivot, Power View, Power BI |
| Data Modeling: | Erwin, MS Visio |
| SDLC Methodologies: | Waterfall Model, Agile, SCRUM |

**Professional Experience:**

**Viavi Solutions- Germantown, MD January 2019- Present**

**SQL/BI Developer**

**Responsibilities**

* Involved in requirement gathering and documenting the requirements accordingly while working with different projects. Also created mapping documents for different data integrations.
* Created Stored Procedures, Triggers, Functions, Indexes, Tables, Views using T-SQL code and SQL joins for applications.
* Wrote stored procedures and User Define scalar Functions (UDFs) to be used in the SSIS packages and SQL scripts.
* Used DDL and DML for writing triggers, stored procedures to check the data entry and payment verification.
* Used SSIS to create ETL packages to validate, extract, transform and load data to data warehouse databases, data mart databases.
* Responsible for documenting Data Dictionaries and versioning them
* Created SSIS process design architecting the flow of data from various sources to target and Involved in extracting the data using SSIS from OLTP to OLAP.
* Responsible for Deploying, Scheduling Jobs, Alerting and Maintaining SSIS packages.
* Developed SQL Queries to fetch complex data from different tables in remote databases using joins, database links and formatted the results into reports and kept logs.
* Created stored procedures, views, triggers and constrains to implement the database consistency and integrity.
* Implemented indexes such as clustered index, non-clustered index, covering index appropriately on data structures to achieve faster data retrieval.
* Created data mapping between source and target using different tools like data profiler, Erwin and Excel sheet.
* Designed ETL packages to migrate data from different data sources such as Oracle, flat files, and XML files into SQL server.
* Used various SSIS tasks such as Condition Split, Derived Column, etc. to scrub, clean and validate data during staging before loading data into the data warehouse.
* Designed and developed Power BI graphical and visualization solutions with business requirement documents and plans for creating interactive dashboards.
* Generated ad-hoc reports in Excel Power Pivot and sheared them using Power BI to the decision makers for strategic planning.
* Utilized Power Query in Power BI to Pivot and Un-pivot the data model for data cleansing and data massaging.
* Integrated custom visuals based on business requirements using power BI desktop.
* Developed complex calculated measures using Data Analysis Expression Language (DAX).
* Provided continue maintenance and development of bug fixes for the existing and new Power BI and Reports.

**Tools and Technologies**: MS SQL Server 2016/2014/2012 SSRS, SSIS, SQL Query Analyzer, SQL profiler, Enterprise

Manager, Windows Server 2016/2104, DTS, Share Point Portal Server, HTML, XML, C#, .Net, Power BI

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**MS SQL/ BI Developer**

**Responsibilities**

* Worked closely with SME’s end users/internal customers to understand project/requirement scope and involved in providing solution to implement or support production issues.
* Involved in the logical and physical data models of databases and prepared test cases for existing solution and new solutions to validate the solution met requirements.
* Created database tables with various constraints including primary key, foreign key, etc.
* Loaded data from flat data files into SQL Server database tables using , bulk insert, and table export/import, SSIS package
* Power user of SQL queries with multi-table joins, group functions, subqueries, set operations and T-SQL.
* Performed efficient tuning of SQL source queries for data load/ Usage of stored procedures for performance.
* Created Stored Procedures to transform the Data and worked extensively in T-SQL for various needs of the transformations while loading the data.
* Assist with documentation of tasks and processes for business and technical teams use of data quality, metadata, ETL tools.
* Created views to display required information on user interface, and triggers to validate consistent data entry into the database.
* Experience in report writing using SQL Server Reporting Services (SSRS) and creating various types of reports like Tabular, Matrix, Drill Down, Drill Through and web reporting by customizing URL Access.
* Used SSIS to create ETL packages to validate, extract, transform and load data to data warehouse databases, data mart databases.

**Tools and Technologies:** MS SQL Server 2014/2012/2008R2, SSRS, SSIS, SQL Query Analyzer, SQL profiler, Enterprise

Manager, Windows Server 2003/2008/2012/2104, DTS, Share Point Portal Server, HTML, XML, C#, .Net,

ASP.NET, Visual Studio 2010/2013/2015, MS Access, Crystal Reports, MS Excel 2007.

**Asmara Palace – Asmara, Eritrea October 2015 - December 2016**

**SQL /BI Developer**

**Responsibilities:**

* Developed Energy Conservation System including design, data model, ETL creation, Star Schema design, Cube Creation, Dimensional Hierarchies design, writing MDX calculations, writing SSRS and Performance Points reports and dashboards.
* Solved T-SQL query performance issues by checking the execution plan and then rewriting the query or adding missing indexes
* Created T-SQL functions, cursors, views, indexes, stored procedures, and triggers.
* Worked with application developers and production teams across functional units to identify business needs and discuss solution options.
* Performed database transfers and queries tune-up, integrity verification, data cleansing, analysis, and interpretation. Developed, monitored, and deployed SSIS packages
* Planned, Defined and Designed data based on business requirement and provided documentation.
* Scheduled and maintained packages by daily, weekly, and monthly using SQL Server Agent in SSMS.
* Designed and implemented Stored Procedures and Triggers for automating tasks.
* Documented all the work and all the process of integration and reporting services for further references
* Involved in creating Dataset in the MS reporting services (SSRS) for calling the stored procedures and passed the parameters to the dataset.
* **Tools and Technologies:** MS SQL Server 2005/2008, Visual Studio 2005, COM/COM+, VC++, C#, MySQL, Windows 2000, Windows XP, T-SQL, VB.NET, ADO.NET, ASP.NET, Visual SourceSafe, XML, MDM, MDX, Crystal Reports, SSAS, SSRS, ERWIN, Brio.

**Education**

**Eritrea Institute of Technology Computer Science**