**Edgar J Ngotho**

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**Professional Summary**

* Microsoft Business Intelligence Developer with 4 years of work experience in developing Business Intelligence solutions in an Agile environment.
* Strong experience in using the Microsoft BI Stack (SQL, SSIS, SSRS and Tableau)
* Proficient in Python, R and other Machine Learning tools and Tableau.

**SQL**

* Excellent skills maintaining and troubleshooting SQL objects such as Tables, Complex Stored Procedures, Functions, Views etc.
* Creating and maintaining temporary data structures like Temp tables, Table variables and CTE’s
* Experience with SQL Performance Tuning to facilitate efficient data manipulation and consistency
* Widely used SQL server agent to schedule jobs that run frequently and at given routines.

**SSIS**

* Experienced in creating complex SSIS packages for ETL processes, integrating data from a wide range of sources like Excel, flat file, csv, XML, OLTP DB etc., and incorporating data conversions and error handling to the ETL using appropriate SSIS processes.

**SSRS**

* Experience in designing and developing considerable number of reports in SSRS using the data from company databases. Proficient in developing all type of table and matrix SSRS reports. Rendering reports to stakeholders as subscriptions or flat file format. Maintaining and troubleshooting existing and new SSRS reports. Granting and maintaining access to SSRS reports for end users.

**Tableau**

* Played major role in implementation of Tableau in the work environment
* On the job training and working experience with Tableau
* Creating Healthcare related reports and dashboards for provider productivity
* Developing KPIs and Business insights from data sets for sound business decision making.
* Good understanding of Tableau Report Publishing, Management, scheduled refresh, Delivery and Security.

**Education / Certifications**

* **University of Texas, Austin –** 24-week intensive Boot Camp Certificate program focused on gaining technical skills in Excel, VBA, Python, R, JavaScript, Postgres/SQL Databases, Tableau, Big Data and Machine learning.
* Colaberry School**---** Data Analytics and Visualization, **Plano TX**
* Bachelor’s in Mechanical Engineering **– Kenya Technical College (Kenya)**

**Summary of technical skills**

**DBMS/RDBMS** : MS-SQL Server 2012 and Newer

**Analytic Tools** : Data Analysis and Visualization using Microsoft tools, Python, R. Machine learning tools

**Domain Expertise** : Healthcare, Telecommunications

**PROFESSIONAL EXPERIENCE**

**Catholic Health Initiatives/Commonspirit Health** (*Dallas TX)*January2021 – Nov 2021

**BI SQL/Reporting Developer**

**Responsibilities:**

* Creating test scripts, user test cases and conducting User Acceptance Testing as the departmental POC person. Ensuring testing is complete and all feedback is received and documented.
* Interview stakeholders to determine their requirements, interpret their business requirements into technical requirements, create data analysis and visualization reports that help drive company decisions.
* Developing SSRS and Tableau reports to monitor company’s key performance indicators and meet reporting requirements by providing the necessary data to business stakeholders.
* Creating and maintaining system-based analytics solutions to support the company’s financial, clinical and operational systems.
* Developing, testing, documenting, implementing and maintaining reports using appropriate tools like SSRS, EXCEL and Tableau. Creating subscriptions to render reports on periodic schedules.
* Creating and maintaining SSAS productivity cube and enabling end user access to the cube through Excel for them to access productivity data and create their own reports using excel pivot table.
* Writing extensive SQL queries to generate proper data extracts for reporting purposes.
* Maintaining and troubleshooting simple and complex SQL Stored Procedures, simple and complex SQL joins, Functions etc. to apply with Ad hoc data requests, data dumps and scheduled requests
* Using github to manage project code and other day to day codes
* Using best practices to handle health data. Employing strict ePHI and HIPAA rules and regulations.

**Novedea Systems (Healthcare Client)** (*Dallas TX)*June2019 – September 2020

**SQL Data Engineer**

**Responsibilities:**

* Gather requirements from business and stakeholders to develop and deliver scheduled and Ad hoc reports accurately and on time.
* Creating and Uploading Ad hoc reports and scheduled reports to Health Insurance Company remote servers according to their requirements.
* Maintaining and troubleshooting Case Tracker ETL processes that securely transfer Eligibility data from employers, payment data, and Claims data as per HIPAA regulations.
* Worked with the Data architect during refactoring of company databases to Azure cloud environment by creating mapping documents and test cases from existing database structures and implementing and documenting for use in the new data structures.
* Working with Data Architect to produce Azure Data pipelines in Data Factory to integrate health data into the new Data Lakes.
* Tuning and troubleshooting SQL scripts and Stored procedures that run slow or not producing desired results.
* Trained and certified on secure handling and transmission of electronic protected health information (ePHI) in accordance with HIPAA regulations

**Novedea Systems (Telecommunication Client)** (*Dallas TX)*February 2018 - June 2019

**SQL Server / Power BI Developer**

**Responsibilities:**

* Managed the extraction of subscriber data from the various sources used in subscription which are XML source, Excel source, SQL Server database (OLTP database)
* Used SSIS to create ETL packages to extract, transform and load subscriber data to data warehouse database and data mart databases.
* Maintained and troubleshoot simple and complex Stored Procedures, Functions, Indexes, Tables, Views and other T-SQL code and SQL joins for applications following SQL code standards.
* Maintained SSIS packages for production and test environment for incoming source application files.
* Used Power BI Visualization tool to bring insights to live by creating reports, publishing the reports and creating subscriptions. Leveraging the power of simple and complex DAX calculations and calculated columns when creating reports.
* Scheduling Jobs and Alerts using SQL Server Agent.
* Created a Merge statement in a SQL stored procedure that populated a new Marketing data mart to track email and voice call KPIs in their new marketing campaign
* Designed various SSRS reports including Sub-Reports, Drilldown reports, Drill through reports and Parameterized reports, Matrix reports.

**Beavex Inc** (Transportation) *Coppell, TX)*August 2010 – October 2017

Dispatcher and Route Manager

**Responsibilities:**

* Working with clients and customers in the transportation domain
* Searching and allocating loads to drivers and owner operators
* Scheduling daily delivery routines for drivers and owner operators using Microsoft tools.
* Updating company system with pick-up and delivery information
* Working with drivers and owner operators to solve issues arising in their day to day runs
* Acquiring and updating company system with delivery prove of delivery (POD) information
* Notifying customers of their load delivery status