

# Mike owusu

## Application Programmer V

Charlotte, NC

mike2444\_rnr@indeedemail.com - 980-254-1675

- Highly motivated SQL server Developer with ten Years of IT Experience in Database and Business Intelligence Technologies with experience on ETL process, Reporting and Analysis using SQL Server 2008, 2012 SSIS, SSRS and BIDS.
- Experienced in T-Sql using DDL/DML, perform most of the SQL Server Enterprise Manager and Management Studio functionality using T-SQL Scripts and Batches
- Experience in using T-SQL for developing complex stored procedures, triggers, tables, views, user functions, relational database models and data integrity, SQL joins and query writing.
- Creating data warehouse environment that have the ability to use advanced OLAP (Online Analytical Processing) and data mining. OLAP can organize data into multi-dimensional structures to allow users to choose dimensions to view
- Creating ssis package by using script task and dot net.
- Experience in optimizing the queries by creating various clustered, non-clustered indexes and indexed views.
- Excellent in Data Extraction, Transforming and Loading (ETL) using SQL Server Integration Services (SSIS), T-Sql, Bulk Insert, BCP.
- Expert in design and development of SQL Server Integration Services (SSIS) packages and using various control flow task and data flow transformation.
- Experienced in error and event handling: Break points, Check points, Precedence Constraints and Logging.
- Excellent in creating SSIS Packages for integrating data using OLE DB connection from heterogeneous sources (Excel, CSV, Oracle, flat file, Text Format Data) by using multiple transformations provided by SSIS such as Data Conversion, Conditional Split, Bulk Insert, merge and union all.
- Scheduled jobs such as weekly/daily and alerts using SQL Server agent jobs.
- Skilled in creating various type of reports such as Complex drill down & drill through reports, Matrix reports, Sub reports and Charts using SQL Server Reporting Services (SSRS) based on Relational and OLAP databases
- Experienced in creating and deploying SSRS reports on the portal for user accessibility.
- Absolute knowledge of software development life cycle, database design, RDBMS, data warehousing and data modeling concepts.
- Designed star schema and snow flake schema with facts, dimensions, measures ,cubes and modifying attributes

Authorized to work in the US for any employer

### WORK EXPERIENCE

#### Application Programmer V

Bank of America - Charlotte, NC -

2017-11 - 2018-04

- Modifying store procedures to generate new metrics based on business needs
- Promoting DEV changes to UAT for testing purposes
- Creating ssis packages to extract excel files to load control tables

- Creating SSIS Packages by using multiple transformations such as Data Conversion, Conditional Split, merge, data viewer, source and destination adapters
- Doing upserting by using excel to generate update and insert statements to load tables
- Creating multiple CTE to manipulate data to insert, update, delete and to select rows based on report requirements.
- Using the TOP operator to limit the Select Statement in certain Queries.
- Using bulk insert command to load files into tables, T-SQL to do aggregation, sorting and grouping data, joining tables by using inner joint, left and right joins, full join
- Using union, union all, intersect and except operators to transform data
- Using merge statement to do upserting thus updating, inserting and deleting records to and from target tables
- Using transactions, derived tables, subqueries, comparing source and target tables as well as doing backfill
- Error handling by using try and catch, implementing table partitioning, indexes, triggers, functions and optimizing queries to avoid parameter sniffing.
- Using Sqoop to import and export from mysql to and from Hadoop file system
- Using Hbase to manage tasks such as create, insert, delete, read and update
- Using HIVE to manage and manipulate data
- Using Pig to transform and modifying data
- Using an output of store procedure to compare Agent performance report and resolve the differences in the data

#### PROFESSIONAL EXPERIENCE

### Sql Developer

Enterprise Data Warehouse -

2016-11 - 2017-05

for Data warehouse

- Involved in writing T-SQL code to aggregate data, sorting data, joining tables, and optimizing the queries by creating various clustered, non-clustered indexes.
- Creating databases, schemas, tables, views, store procedures, table partitioning and table compression
- Develops, maintains, and executes extraction, transformation and load (ETL) routines for importing data from heterogeneous data sources into the data warehouse using MS SQL Server Integration Services (SSIS)
- design, development and implementation of the Enterprise Data Warehouse, data marts and related applications for the organization
- Troubleshoot production dataflow and code
- Using SQL Server Reporting Services (SSRS) generate different kinds of report for business needs
- Provided optimization suggestions for queries that pull from EDW data marts
- Trapping and Handling Application Errors
- Query performance tuning by examine long running code and implement the best solution to resolve issues like costly sort or calculation activities, missing statistics or other warnings, table scans (accessing all the pages in a heap or index) versus using seeks, and highest cost queries within a batch and highest cost operators within a query

#### PROFESSIONAL EXPERIENCE

### Sql Developer/ Application Architect

Bank of America - Charlotte, NC -

2015-10 - 2016-09

- Designing HLD and LLD diagrams as well as documentation for new HUB
  - Translate business rules and data requirements into Logical data models in support of Enterprise Data Modeling
  - Process map diagram, ETL architectural diagrams, Collecting KBE's from several sources for data analyses
  - Participating in gathering project data requirements with business analysts
  - Perform data analysis, conceptual and logical data modeling, and in-depth understanding of entity relationship design.
  - Performed systems analysis to convert department to data warehouse platform.
  - Determined data migration, de-duplication, standardization, application data, and data feed requirements
  - Performed dimensional data modeling and created Star and snow Flake Schema to meet OLAP needs.
  - Experience with ERWIN to map the process diagram and entity relationship design, normalization and demoralization, relational modeling techniques
  - Creating ssis packages to extract data from different source systems to the HUB
  - Creating a test script that calculate KPI's for the current PH reporting
  - Designing the target system and creating store procedures, views, tables, indexes, triggers, file grouping as well logging and auditing
  - Integration, data migration, extraction of metadata, and design ETL diagrams, data cleansing and profiling
- Environments: SQL Server 2012/2014, SSIS, SSMS, SSRS, T-SQL, Dot Net Framework 2.0, Windows 2000, Windows 2003 Server, MS TFS, MS-Access, MS-Outlook, Microsoft office communicator, MS-office

## **ETL /SQL SERVER Developer**

Core Logic Inc - Greensboro, NC -

2014-04 - 2015-07

- Creating SSIS Packages by using multiple transformations such as Data Conversion, Conditional Split, merge, data viewer, source and destination adapters, union all etc.
- Using Bulk Insert and T-SQL to insert large data files, store procedure to fetch, transform, and merge data.
- Created packages to migrate data from different data sources to data warehouse.
- Designed star schema and snow flake schema with facts, dimensions, measures and cubes.
- Cubes processing and modifying attributes, data mining
- Doing continuous backfill to update data warehouse when the target doesn't match the source.
- Established metrics to evaluate success of business changes
- Analyzing mapping document by identifying look ups and dictionaries. Re-mapping fields by using logic functions and backfilling production tables.
- Scheduling Agent jobs to run daily. Creating and modifying views, store procedure, Linked server, tables, schema and synonyms.
- Extensively used Joins and sub-queries for complex queries involving multiple tables from different databases.
- Involved in designing, developing and testing of the ETL (Extract, Transformation and Load) strategy to populate the Client data from various source systems feeds using SSIS
- Monitoring Sql server agent job and setting up jobs to run every fifteen minutes

Environments: SQL Server 2008/2005, SSIS, SSMS, SSRS, T-SQL, .Net Framework 2.0, Windows 2003 Server, MS TFS, MS-Access, MS-Outlook, Microsoft office , MS-office, MS Visio 2007

## **MS SQL/SSIS/SSRS Developer**

Polygal Inc - Charlotte, NC -

2013-02 - 2013-11

- Creating SSIS Packages for integrating data using OLE DB connection from heterogeneous sources (Excel, CSV, Oracle, flat file, Text Format Data) by using multiple transformations provided by SSIS such as Data Conversion, Conditional Split, Bulk Insert, merge and union all.
- Performing data cleansing, joins and replacement etc. on SSIS package to load data from Flat Files to SQL Server 2008/2012 using Lookup, Fuzzy Lookup, Derived Columns, Condition Split, Aggregate, Pivot Transformation, and Slowly Changing Dimension.
- Created SSIS packages to load data into Data Warehouse using Various SSIS Tasks like Execute SQL Task, bulk insert task, data flow task, file system task, send mail task, active script task, xml task.
- Designed data warehouse applications using star schema, snow flake patterns, and metadata needs
- Using OLEDB SRC to extract data from Flat Files, Excel Files and other sources to create SSIS packages. Converting complex access data to Sql server, importing access data as ETL process and Ad Hoc imports of access data.
- Using various SSIS tasks such as Conditional Split, Derived Column, which were used for data scrubbing, data validation checks during Staging, before loading the data into the Data warehouse
- In-depth knowledge of Transact-SQL (DDL, DML)
- Installed, configured and maintained SQL Server Integration Services (SSIS)
- Using T-SQL to create complex stored procedures, triggers, tables, views, user functions, relational database models and data integrity, SQL joins and query writing.
- Involved in writing T-SQL code to aggregate data, sorting data, joining tables, and optimizing the queries by creating various clustered, non-clustered indexes.
- Reduced the T-SQL overhead successfully by avoiding unnecessary use of The UNION statement & using the TOP operator to limit the Select Statement in certain Queries.
- Creating various type of reports such as drill down & drill through reports, Matrix reports, Sub reports and Charts using SQL Server Reporting Services (SSRS) based on Relational and OLAP databases
- Experienced in creating and deploying SSRS reports on the portal for user accessibility

### **MS SQL Server/SSIS/SSRS Developer**

SSIS, SSMS, SSRS, T-SQL - Charlotte, NC -

2009-07 - 2012-12

Net Framework 2.0, Windows 2000, Windows 2003 Server, MS TFS, MS-Access, MS-Outlook, Microsoft office communicator, MS-office, MS Visio 2007.

Prime Autos July 2009- December 2012 Charlotte NC

MS SQL Server/SSIS/SSRS Developer

- Carried out a developer's role on MS SQL Server 2005, MS Access databases (using ETL Tools, T-SQL, Store Procedures and Views).
- Created SSIS Packages to extract data from CSV files, Text files and Excel Spreadsheet
- Designed SQL SSIS Packages to extract data from various data sources such as Access database, Excel spreadsheet, and flat files into SQL Server 2005 for further Data Analysis and Reporting by using multiple transformations provided by SSIS such as Data Conversion, Conditional Split, Bulk Insert, Merge and Union all.
- Responsible for creating, deploying and scheduling new SSIS packages.
- Involved in designing, developing and testing of the ETL (Extract, Transformation and Load) strategy to populate the Client data from various source systems using SSIS
- Performed data extraction and migration activities for populating test (or non-production) and customer databases
- Performed systems analysis to convert department to data warehouse platform.

- Responsible for creating and maintaining Analysis services objects such as cubes, dimensions, measures
- Applied various data transformations components like Slowly Changing Dimension (SCD), Aggregate, Sort, Multicasting, Conditional split, Derived column etc.
- Modified the existing SSIS packages to meet the changes specified by the users.
- Involved in writing T-SQL Queries, Dynamic-queries, sub-queries and joins for generating Complex Stored Procedures, Triggers, User-defined Functions and Views.
- Created various type of reports such as drill down & drill through reports, Matrix reports, Sub reports and Charts using SQL Server Reporting Services (SSRS) based on relational and OLAP databases

Environments: SQL Server 2008/2005, SSIS, SSMS, SSRS, T-SQL, .Net Frameworks 2.0, Windows2000, Windows 2003 Server, MS TFS, MS Outlook, Microsoft office, MS Visio 2007, Erwin

## **SQL Server/SSIS/SSRS Developer**

GC Net - Leiden, NL -

2006-04 - 2009-06

- Migrated all SSIS 2005 packages to SQL Server Integration Services 2008 and modified the packages accordingly using advance features of SSIS.
- Scheduled jobs to execute SSIS packages which were developed to update database objects daily and maintained nightly loads of data by creating the corresponding tasks.
- Created SSIS packages to export and import data from CSV files, Text files and Excel spreadsheet. Involved in installation, configuration and developing of SSIS packages using BIDS.
- Extensively using joins and sub-queries for complex queries which were involving multiple tables from different databases. Analyzing data and re-mapping fields based on business requirements.
- Store procedures, User defined functions, Views, T-sql scripting for complex business logic. Optimized the database by creating various clustered, non-clustered indexes and index views. Using aggregate strategies to aggregate data, sorting and joining tables.
- Experienced in creating, designing, processing of cubes using SSAS.
- Responsible for creating and maintaining SSAS objects such as cubes, dimensions, measures.

## **EDUCATION**

### **Information Technology**

University of Holland

## **SKILLS**

SQL, MS SQL SERVER, SQL SERVER, T-SQL, MICROSOFT SSRS

## **ADDITIONAL INFORMATION**

### **TECHNICAL SKILLS**

• SQL Server 2008/2012, MS-Access, OLE-DB, and OLAP, Transact SQL, SQL Enterprise Manager, Query Analyzer, SQL Server Management Studio, Data Transformation Services (DTS), SQL Server Integration Services (SSIS), Import Export Data, BIDS Studio, SQL Server Reporting Services (SSRS), Microsoft Excel, Windows 2000/XP/Vista, Team Foundation Server (TFS), Microsoft office communicator/Lync, Microsoft Outlook, On Time, Microsoft Visio

- Environments: SQL Server 2008/2008 R2, 2012, SSIS, SSRS, Import/Export tools, SQL Server Agent, MS Access, T-SQL, MS-Access, MS-Outlook, Microsoft communicator, Share Point