**ZEMEN M. GHELAW, EA, MAFM, DBA, MCSA**

1022 EAST WEST HWY PHONE 240-543-2621

TAKOMA PARK, MD 20912, Ghelaw01@gmail.com  
  
**SUMMARY OF QUALIFICATIONS:**

* 11 years of experience in IT having experience in Database Design, Development & Support of MS SQL Server 2008/2005/2000 for Production/development.
* Proficient in Relational Database Management Systems (RDBMS).
* Expertise in Transact-SQL (DDL, DML, DCL) and in Design and Normalization of the database tables.
* Experience in implementing business logic using Triggers, Indexes, Views and Stored procedures.
* Extensive Knowledge of advance query concepts (e.g. group by, having clause, union so on).
* Experience with tools like SQL Server management studio and SQL Server 2005/2008 integration (SSIS) and reporting services (SSRS).
* Proficient in Tuning T-SQL queries to improve the database performance and availability.
* Experienced hands in Query tuning and performance tuning.
* Experience in monitoring SQL Server Performance using SQL Profiler, Index Tuning Wizard and Windows Performance Monitor.
* Experience in Creating and Updating Clustered and Non-Clustered Indexes to keep up the SQL Server Performance.
* Good knowledge in Normalizing and De-normalizing the tables and maintaining Referential Integrity by using Triggers and Primary and Foreign Keys.

**EDUCATION AND CERTIFICATES:**

* Managing Big Data with MySQL. Certification. Duke University. April 2017
* Managing Data Analysis. Johns Hopkins University. April 2017
* National Graduate School of Quality System Management. Master of Business Administration in Quality System Management. November 2011 to 2012
* Keller Graduate School, Masters of Science in Accounting and Finance, MAFM. June 2009 to October 2011.
* Franklin University. Business Forensics, June 2005 to May 2008.
* The Ohio State University. BSC in Circulation Technology May 2001 to May 2005.
* Enrolled Agent, EA. The Highest Rank and A federal License From IRS
* Property and Casualty insurance license in the state of Georgia, and Virginia.
* Life and Health insurance license in the state of Georgia.
* Microsoft solutions associate, MCSA
* Property and casualty insurance license
* Life and Health insurance License

**EXPERIENCE:**

**SQL Developer**  
**Professional Business Groups, PBG**

**July 2014 to Present**

* Gathered requirements from business analyst.
* Developed physical data models and created DDL scripts to create database schema and database objects
* Wrote user requirement documents based on functional specification.
* Created new tables, written stored procedures, triggers for Application Developers and some user defined functions. Created SQL scripts for tuning and scheduling.
* Involved in performing data conversions from flat files into a normalized database structure.
* Developed source to target specifications for Data Transformation Services.
* Developed functions, views and triggers for automation
* Extensively used Joins and sub-Queries to simplify complex queries involving multiple tables and also optimized the procedures and triggers to be used in production.
* Provided disaster recovery procedures and policies for backup and recovery of Databases.
* Performance Tuning in SQL Server 2008 using SQL Profiler and Data Loading.
* Installing SQL Server Client side utilities and tools for all the front-end developers/programmers.
* Created DTS package to schedule the jobs for batch processing.
* Involved in performance tuning to optimize SQL queries using query analyser.
* Created indexes, Constraints and rules on database objects for optimization.
* Creation/ Maintenance of Indexes for various fast and efficient reporting processes

**Director of Information Technology**

**Rift Valley University**

**March 2013 to July 2014**

* Database Design, Development & Support of MS SQL Server 2008/2005/2000 for Production
* Design and Normalization of the database tables.
* Implementing business logic using Triggers, Indexes, Views and Stored procedures.
* Use an advance query concepts (e.g. group by, having clause, union so on).
* Use tools like SQL Server management studio and SQL Server 2005/2008 integration (SSIS) and reporting services (SSRS).
* Tune T-SQL queries to improve the database performance and availability.
* Monitor SQL Server Performance using SQL Profiler, Index Tuning Wizard and Windows Performance Monitor.
* Create and update Clustered and Non-Clustered Indexes to keep up the SQL Server Performance.
* Normalize and de-normalize the tables and maintain Referential Integrity by using Triggers and Primary and Foreign Keys.
* Create Packages using SQL Server Integration Services (SSIS).
* Transformation of data from one server to other servers using tools like bulk copy program (BCP), data transformation services, data conversions from legacy systems to SQL server.

**SQL Developer**

**The National Graduate School of Management**

**September 2006 to February 2013**

* Interacted with Team and Analysis, Design and Develop database using ER Diagram, Normalization and relational database concept.
* Involved in Design, Development and testing of the system
* Developed SQL Server Stored Procedures, Tuned SQL Queries( using Indexes and Execution Plan)
* Developed User Defined Functions and created Views
* Created Triggers to maintain the Referential Integrity.
* Prepare detailed statistical reports in MS Access and MS Excel to track progress of weekly, monthly and quarterly customers and sales growth.
* Reviewed existing business procedures and recommended and implemented changes.
* Responsible for setting preferences for various ad-hoc requests and distribution of tasks.
* Trouble shoot problems with the various teams including network related issues
* Creating and automating the regular Jobs
* Tuned and Optimized SQL Queries using Execution Plan and Profiler
* Rebuilding Indexes and Tables as part of Performance Tuning Exercise
* Involved in performing database Backup and Recovery
* Worked on Documentation using MS word
* Prepare detailed statistical reports in MS Access and MS Excel to track progress of weekly, monthly and quarterly customers and sales growth.
* Reviewed existing business procedures and recommended and implemented changes.

**Publications:**

**March 2010 to Current**

* Curriculum for Masters of science in Accounting and Finance
* Curriculum for Masters of Science in Computer Science
* Curriculum for Masters of Science In Business Administration
* Curriculum for Masters of Science in Development Economics
* Curriculum for Doctor of Business Administration in Quality System Management