
Objective

To maintain a teaching opportunity that utilizes my skills and extensive experience in Information Technology, and to share my hands-on experience in problem solving, application and database design/architecture, development and data processing and ML implementation skills with students, to prepare them for the IT industry.

Professional Experience Summary

- 15+ years of experience in IT field, using various programming languages to developing solutions.
- Experience with Azure Cloud and various Linux Hosting platforms.
- Extensive hands-on experience with object-oriented programming languages.
- Experience with data virtualization & reporting tools like PowerBI, Tableau, SSRS, MS Excel etc.
- Experience with MS Visio, creating flowcharts and diagrams for applications and/or processes.
- OLTP and OLAP database design, development and maintenance,
- Technical and business-oriented documentation (flowcharts, data dictionary, database diagrams etc.)
- 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.
- Experience with complete life cycle of SSIS Packages (Developing, Deploying, Scheduling, Troubleshooting and monitoring) for performing Data transfers and ETL jobs across different data sources and destinations.
- Fluent experience with generating complex Transact SQL (T-SQL) queries, Sub queries, Co-related sub queries, Dynamic SQL queries as needed. (Stored Procedures, views, ad-hoc reports etc.)
- Datawarehouse design, implementation, data processing, reporting experience.

Technical Skills

Languages	- C#, Python, T-SQL, PHP , JavaScript , TypeScript , CSS		
Cloud	- Microsoft Azure and Azure Cloud Services, Power Apps		
Database & Tools	- MS SQL Server Management Studio (2016,2014,2012) - Oracle (10g) - MS Access - MongoDB	- SQL Profiler, - Query Analyzer - SQLite - MySQL - phpMyAdmin - MySQL Workbench	- RedGate Tools - SQL Backup, - Data Compare, - SQL Compare, - Dependency Tracker, - SQL Toolbelt
Platforms	- MS Visual Studio (2017 and previous versions), MS Visual Studio Code - PyCharm, Notepad++ - MS TFS / Source Safe, GitHub - Windows, Microsoft Azure - Linux, cPanel, Eclipse		
Other	- Machine Learning, - MS Project, - MS Visio, - MC CRM Dynamics - SSIS	- Various FTP Clients - Batch Processing - Kleopatra (Open PGP) - MS Office, - PowerBI	- Logo Unity ERP, - AutoCAD, - Photoshop, GIMP - Joomla, Wordpress - Crystal Reports

Experience

Certified IT Developer (Software Engineer, Senior SQL/BI Developer, Database Administrator)
NYC DCAS DEM

May 2015 – Present
New York, NY

- Worked on a project calculating billing data for future predictions to prevent error billing. Machine Learning processing implementation (Python app using mainly pandas, numpy packages and KNN algorithm)
- Worked on a POC project on Azure Cloud computing processing and automating of solar data from IoT devices to a cloud database.
- Did research and analysis, working closely with business users to optimize integrated data flow in new Datawarehouse and later involved in report design requirement gathering.
- Created design documentation, like flowcharts, diagrams using Visio
- Created documentation (ETL data mapping, data dictionary, database diagrams etc.)
- Developed and deployed SSIS packages for ETL from OLTP and various sources to staging and staging to Data warehouse using Lookup, Derived Columns, Condition Split.
- Created database objects including tables, triggers, views, stored procedures, Indexes and Functions.
- Worked on improving SQL Server performance by using index tuning wizards, performance tuning methods, execution plans and profilers, query analysis and parameterization, code optimization
- Designed dashboard reports pulling data from new reports.
- Generating, developing and testing new permanent business reports based on given business rules.
- Generating and developing SQL for new ad-hoc reports
- Administered database, handling tasks like maintenance, scheduling jobs, backups, restore, database user management, version upgrades etc.
- Experience with complete life cycle of SSIS Packages (Developing, Deploying, Scheduling, Troubleshooting and monitoring) for performing Data transfers and ETL jobs across different data sources and destinations.
- Generated ad-hoc reports using T-SQL queries, Sub queries, Co-related sub queries, Dynamic SQL queries as needed. (Stored Procedures, views, ad-hoc reports etc.)
- Experienced in improving SQL Server performance by using index tuning wizards, performance tuning methods, execution plans and profilers, query analysis and parameterization, code optimization
- Designed, developed, deployed and scheduled ETL projects.
- Documented and clarified business requirements of existing processes.
- Created Power Pivot reports for business users.
- Processed over 50 million rows of data to database from text files and created PowerBI analysis reports for business users to export with custom filters.

Senior Developer / BI Expert
NYC DCAS DEM / Spruce Technology

Dec 2014 – May 2015
New York, NY

- Worked on existing Crystal Reports to make sure they are running and giving same results after switching to new database structure, asserted versioning with effective start and effective end date for each record.
- Created new stored procedures and functions to retrieve same data as they are running against legacy database.
- Altered, updated and tested billing data load process, related tables and stored procedures to reflect needed business changes.
- Worked on uploading digitally received billing files to server and processing them to production tables.
- Worked on a project which needs data transformation with encrypt and decrypt data requirement, built SSIS package for the data extract and transformation.
- Worked on a SSIS project that requires FTP access and email notification for the process details. Wrote C# script to handle read files via FTP and emailing process.
- Researched possible MongoDB implementation use cases and did a presentation for IT users to consider in their existing or future projects.

- Developed a new system to process SRO Billing payments, using SQL SSIS
- Made analysis on database and finds out data issues, prepares necessary queries to make production database more stable and accurate.
- Designed and develops customized reports upon manager's requests.
- Converted existing DTS packages to SSIS packages.
- Converted SQL Server 2000 stored procedures to SQL Server 2005 stored procedures and makes sure they all return the right data as they returned before.
- Generated fixed width and comma separated files using previously built systems and makes sure they are transferred related servers.
- Checked database if previously scheduled tasks are running fine or not, find out the problem for the tasks failed. And makes sure the scheduled database task is running fine as before.
- Built scheduled tasks to track changes on critical tables in the system.
- Worked on a project which calculates Social Worker Performance and returns a detailed report.
- Generated Batch Files and writes scripts to transfer, rename and backup files between servers.
- Optimized performance through proper database design and coding standards, as well as tuning of existing procedures, indexes and aggregations.
- Involved in extracting the data using SSIS from OLTP to OLAP
- ETL Processing and reporting. (Extract, Transform, Load)
- Led an iPad web application project (Inspection Module for larger application)
- Generated density map and ad-hoc query reports
- Handled Data Migration for new projects.

- Participates in a project developing multiple ASP.NET Web applications using C# in .NET 2.0 and Microsoft SQL Server 2005 as a back-end storage.
- Created database schemas, stores procedures, triggers, data transformation packages, and indexing using SQL Server.
- Designed and implemented software libraries (APIs) to be used in different system interfaces such as web and windows applications and services.
- Used NUnit for unit testing and set proper configuration management.
- Designed multi-tiered and distributes applications with special consideration to application security.
- Built SSIS Projects to migrate data from Oracle database to SQL Server database.

- Assisted in design of a subscriber database to store and reuse subscriber's data,
- Evaluated and modified tables, queries, and reports for company's requirements
- Created daily reports that were optimized for business performance and print house
- Improved efficiency of databases by employing database techniques such as indexing, normalization,
- Did regularly scheduled backups, and backed up the database immediately after implementing changes to the database structure.
- Tested previously developed statements, queries and documented these for future use.

- Helped Sr. Systems Analyst with tasks, by gathering required information, onsite data, current system status reports etc. during new ERP system implementation,
- Led data collection from running system for ERP implementation and presented collected data to the management.
- Observed and reported system errors to improve system performance and efficiency,
- Did flow charting, specifications for the programmers and developers to explain the existing system.
- Did “work study” at manufacturing department to calculate and improve processing time and found out shorter processing time for critical processes.
- Assisted during installation of required hardware (computer and network systems), prepared their initial documentation.

E d u c a t i o n

Brooklyn College / CUNY

Brooklyn, NY

Master of Science in Computer Information Systems, 2008

Sakarya University

Sakarya, TURKEY

Bachelor of Engineering in Industrial Engineering, 2003

Thesis Work, “ERP Roadmap”

T r a i n i n g & C e r t i f i c a t i o n s

- Microsoft Certified Professional (Certification No: F260-7315) *Microsoft*
- Microsoft Specialist – Programming in C# (Certification No: F260-7317) *Microsoft*
- MongoDB Training *New York City*
- Angular 6 Training *New York City*
- PowerBI Design Development *Microsoft Technology Center, NY*
- Scrum Training *Citywide Learning & Development, NY*
- Application Lifecycle Management *Citywide Learning & Development, NY*
- ADO.NET Training *Metrotech Center Brooklyn, NY*
- ASP.NET 2.0 Training *Metrotech Center Brooklyn, NY*

References can be provided upon request.

Thank you...