
PROFESSIONAL PROFILE: DATABASE ENGINEER

Performance-driven professional with 25+ years engineering experience and 16+ years' progressive experience in database design and development seeks database application development opportunity in support of private industry and government customers. Active **Secret** clearance. Experience includes:

- Database development on multiple platforms (Oracle, MySQL, SQL Server, MS Access)
 - Application development using multiple programming languages (SQL, PL-SQL, Visual Basic, VBA, VBscript, C#, Java, JavaScript, HTML)
 - Database lifecycle and capacity planning
 - Database performance tuning and troubleshooting
 - Project Leadership and Delegation of Authority, Thriving in a Team-Oriented Environment
 - Defined project scope, goals and deliverables, Executing and delivering with cross-team collaboration
 - Effectively communicating project expectations
 - Utilize multiple development tools to design and develop data applications (Microsoft Visual Studio, Eclipse, Notepad ++)
 - Data Visualization design using multiple platforms (Tableau, Power BI, QLIK)
 - Thrive in both independent and collaborative work environments
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PROFESSIONAL EXPERIENCE

SENIOR DATA ANALYST/SQL DEVELOPER

Sep 2019 to Present

UNITED STATES DEPARTMENT OF NAVY – NAVAL SEA SYSTEMS COMMAND, DAHLGREN, VA

ETL/SQL DEVELOPER/DATA ANALYST

Oct 2014 to Sep 2019

BOWHEAD PROFESSIONAL SOLUTIONS, DAHLGREN, VA

- Developed and tested extraction, transformation, and load processes.
- Created Stored Procedures, designed tables, and tuned SQL queries for better performance
- Maintained SQL scripts and complex queries for analysis and extraction.
- Analyzed data and resolve data issues, performance and production problems.
- Provided guidance and technical expertise on projects that required advanced SQL coding.
- Develop project documentation including process flow diagrams, logical process model and user guides.
- Developed Service Cost Center Tool operational specifications including table load procedures, tool layout guidance and user assistance.
- Developed a database model using Microsoft Visio as part of the tool development process and created a model layout to demonstrate a logical flow of the data storage.
- Gathered customer requirements and developed product specifications.
- Work alongside business analysts, DBA team & Application Developers to design and implement applications
- Lead/participate in design/code reviews to ensure proper execution

DATABASE DEVELOPER/CONSULTANT

Nov 2013 to Aug 2014

APEX SYSTEMS INC, RICHMOND, VA

Apex Systems is an IT staffing and services firm specializing in providing IT professionals for contract, contract-to-hire, and direct placements.

CONSULTANT ON CONTRACT FOR ALTRIA GROUP

- Designed and developed a data collection tool using Microsoft Access 2010 and SQL Server 2008 to track information needed for regulatory compliance.
- Developed the database schema and SQL programming scripts to create the database model for Microsoft SQL Server.
- Optimized the performance of the test database before promoting to the production server.
- Developed data requirements for customer needs.
- Developed a database model using Microsoft Visio as part of the design stage of the project.
- Created a model layout to demonstrate a logical flow of the data storage.
- Created data processing application utilizing HTML Forms, JavaScript programming and SQL database injection.

CONSULTANT ON CONTRACT FOR WELLS FARGO

- Replicated legacy Microsoft Access database used to store customer referral information. Developed an updated graphical user interface to reflect needed changes to the legacy application.
- Created List and Detail forms to present customer referral information.
- Designed Table/Query relationships for proper relational data storage.
- Collaborated with stakeholders to define functional requirements.
- Optimized database performance across company network.
- Designed database schema and SQL programming scripts to create database model for SQL Server.
- Analyzed legacy database to define data structure and relationships. Defined data storage and presentation requirements. Developed dynamic reports to present data in a real time method.
- Created filter and search functionality using VBA programming. Applied Audit log functionality as a means of data change monitoring.
- Created data models based on legacy requirements and mapped them to new database requirements.
- Created model views based on product selection, limiting input to only applicable values.
- Developed database model using Microsoft Visio as part of the design and development stage of the project. Reverse Engineered the current application to catalog data types and storage requirements.

Systems Engineer

July 2013 to Oct 2013

SAIC/LEIDOS CORPORATION, ALEXANDRIA, VA

Science Applications International Corporation is an industry leader in technical services and enterprise IT solutions.

- Provided technical direction and guidance to an integrated Java development team that included scheduling, documentation reviews and deliverables.
- Developed operational system requirement and design documentation for use with the Java development team within the Distributed PED Initiative.
- Demonstrated product features to customers detailing product deliverables
- Worked in an agile development environment, attended Scrum sessions and stand up meetings as well as held to three week iteration cycle.
- Assisted product teams in gathering information needed to prepare Department of Defense Artifact Framework (DoDAF) artifacts and other customer deliverables.
- Participated in daily development status and design meetings that required technical direction and guidance based on team feedback.
- Led a group responsible for diagramming data flow through the completed application utilizing xml data modeling.

Application Developer

Sept 2012 to Jun 2013

URS CORPORATION, FALLS CHURCH, VA

URS Corporation is a leading provider of engineering, construction, and technical services for public agencies and private sector companies around the world.

- Supported DISA activities for Configuration Management that focused on cleanup and normalization of data in preparation for bulk ingestion into the Network Configuration Change Management (NCCM) system.
- Developed a data normalization application utilizing Microsoft Access 2010.
- Normalized and corrected data supplied by the customer for bulk upload to NCCM.
- Designed a graphical user interface and multiple programming classes to perform a multi stage validation and update process.
- Ingested data was compared against baselines and changed as needed.
- Prepared application for deployment at the DISA facilities at Ft. Meade MD.
- Utilized a Microsoft Access database for storage of ingested and processed data.
- Created system requirements, project scope and design documentation that included process flow diagrams, functional diagrams and design presentations for delivery with the completed application.
- Presented detailed explanations of data flow processing through the tool.

Database Developer

Feb 2009 to Sept 2012

BAE SYSTEMS, MANASSAS, VA

BAE Systems, Inc. is the U.S. subsidiary of BAE Systems plc, a global defense, security and aerospace company which delivers a full range of products and services for air, land and naval forces, as well as advanced electronics, security, information technology solutions and customer support services.

- Designed a complete data collection system using Microsoft Access 2007 and SQL Server 2008.

- Defined data requirements for electronic log books, manufacturing processes, installed and delivered parts, manufacturing equipment and quality control checks.
- Developed a multi-department/multi-user environment in Microsoft Access 2007 that incorporated each collection requirement.
- Developed the database schema based on data requirements. Created SQL Scripts to ingest collected data in to test database.
- Performed database performance tuning and troubleshooting.
- Created security profiles for each user in the system and applied appropriate access level restrictions.
- Developed a data backup and retention policy.
- Created system access and error log recording and reporting.

Maintenance Supervisor

QIMONDA, AG, SANDSTON, VA

Oct 2004 to Jan 2009

Field Service Engineer

KAESER COMPRESSORS, INC, FREDERICKSBURG, VA

Mar 2003 to Oct 2004

Equipment Engineer

MICRON TECHNOLOGIES, INC, MANASSAS, VA

Nov 1997 to Feb 2003

EDUCATION AND PROFESSIONAL DEVELOPMENT

- **B.S. Computer Information Systems, Database Development**, Strayer University, Fredericksburg, VA
- **B.S. Management**, Devry University, Crystal City, VA
- **A.S. Electronics**, Devry University, Kansas City, MO

Professional Development

- Microsoft Office Specialist – Microsoft Office Access 2010