

Peter Ezekwenna

Washington, DC | Baltimore, MD

Public Trust Clearance - Active

PROFESSIONAL SUMMARY

Results-driven Senior Database Administrator, Database Engineer, and Cloud Data Engineer with 15+ years of experience designing, engineering, administering, securing, and optimizing enterprise SQL Server, Oracle, Sybase, PostgreSQL, and cloud-based database platforms across development, test, staging, and production environments. Proven expertise managing the full Database Management System (DBMS) lifecycle including logical and physical database design, implementation, performance tuning, backup and recovery, high availability, disaster recovery, security compliance, patching, upgrades, monitoring, and operational support.

Extensive hands-on experience supporting mission-critical government, healthcare, financial, pharmaceutical, and enterprise systems in Windows, Linux, VMware, SAN, and hybrid cloud infrastructures. Skilled in database architecture, storage and memory optimization, ETL/data integration, data governance, and enterprise reporting solutions while ensuring data integrity, regulatory compliance, and business continuity.

Strong background in database modernization, migration, automation, and DevOps-enabled database operations using Terraform, Ansible, PowerShell, Azure DevOps, and cloud-native technologies across Azure, AWS, GCP, and Oracle Cloud. Recognized for delivering highly available, secure, and high-performing database environments while collaborating with development, infrastructure, analytics, and security teams to drive operational excellence and continuous improvement.

TECHNICAL SKILLS & CORE COMPETENCIES

Database Administration | Database Engineering | DBMS Lifecycle Management | Logical & Physical Database Design | MS SQL Server 2005–2019 | Oracle 9i/10g/11g/12c/19c | Sybase ASE 15 | Sybase IQ 12.7 | PostgreSQL | Greenplum | MS Access | Database Monitoring Tools | Query Optimization | Database Capacity Planning | Business Continuity Planning | Disaster Recovery Testing | Database Change Management | Data Dictionary Management | Database Upgrade Planning | Storage Management | Memory Management | Disk Arrays | Network Management | Database Security Administration | Healthcare Data Systems | Risk Mitigation and Management | Operational Support | Root Cause Analysis | Performance Metrics Analysis | Enterprise Database Architecture | Database Modernization | Data Migration | ETL | SSIS | Informatica | Oracle Data Pump | Data Warehousing | Performance Tuning | Monitoring | Backup & Recovery | High Availability | Failover Administration | Disaster Recovery Planning | Security Compliance | Transparent Data Encryption (TDE) | Role-based Access Control | Database Design | Data Modeling | System Administration | User & Permission Management | SQL | T-SQL | PL/SQL | Python | Bash | PowerShell | C++ | Visual Basic | Fortran | XML | HTML | Unix Shell Scripting | Batch Scripting | Microsoft Azure | AWS | Google Cloud | Oracle Cloud | Jenkins | DevOps Practices | Terraform | Ansible | Kubernetes | Docker | Control-M | VMware | PolyServers | SAN | Virtual Machines | Windows Server 2000–2022 | Linux (Red Hat) | Unix | Solaris | MS DOS | Power BI | Crystal Reports | SQL Server Reporting Services (SSRS) | SAP Business Objects Enterprise (BOE) | ETL Pipelines | Data Governance | Data Analysis | Mission-critical Data Analytics | SQL Server Management Studio (SSMS) | SQL Server Data Tools (SSDT) | TOAD (Oracle) | Oracle Enterprise Manager (OEM) | SSMA (SQL Server Migration Assistant) | IBM Rational CLM (RQM, RCM) | ServiceNow | SharePoint | XMLSpy | Cohesity | CyberArk | QualityCenter | Git | JIRA | TCP/IP | SFTP | SCP | SSH | SSL | Telnet | VMware | SAN | TSM/TDP | EMC | Agile | Waterfall | SDLC | Test-Driven Development (TDD) | Continuous Integration/Continuous Deployment (CICD) | TOGAF Framework | SPSS | Minitab | SAS | Microsoft Excel | Databricks | PySpark

Oracle and SQL Server DBA Highlights

- 15+ years supporting SQL Server (2005–2019) and Oracle (9i–19c) environments across development, staging, and production
- Deep expertise in performance tuning, indexing, query optimization, wait stats analysis, and execution plan troubleshooting; AWR/ASH reports, SQL Trace, TKPROF, execution plan analysis, and optimizer statistics management
- Strong HA/DR experience: Always On AG, clustering, log shipping, replication, DR testing; Oracle RAC, Data Guard (physical/standby), failover/switchover procedures, and disaster recovery readiness testing
- Supported large-scale enterprise SQL Server estate (hundreds of servers / thousands of databases) with strict SLA requirements and mission-critical uptime expectations.
- Supported large-scale Oracle and SQL Server enterprise environments with mission-critical uptime, strict SLAs, and 24×7 production support requirements
- Hands-on administration of Oracle security and user management including roles/privileges, auditing, encryption, and compliance-driven controls
- Automation using PowerShell, T-SQL, SQL Agent, and CI/CD tools; Shell scripting, PL/SQL, Oracle Enterprise Manager (OEM), and scheduling tools (cron / job queues)
- Advanced skills in PL/SQL troubleshooting, indexing strategies, partitioning, and query optimization for high-volume OLTP systems
- Extensive experience with Oracle backup and recovery using RMAN, point-in-time recovery (PITR), archive log management, and backup validation/testing

PROFESSIONAL EXPERIENCE

Libera Partners, Washington, DC

07/2022 – Present

AZURE CLOUD DATA ENGINEER / ARCHITECT

- Designed and architected end-to-end Azure data platforms, enabling scalable, secure, and high-performance data solutions for enterprise and government clients.
- Built and managed data pipelines using Azure Data Factory, Azure Synapse Analytics, and Azure SQL / SQL Server, supporting batch and near-real-time processing.
- Led database and data platform migrations from on-premise and legacy systems (Microsoft Access, SQL Server) to Azure PaaS and IaaS architectures.
- Implemented high availability, disaster recovery, and backup strategies using Azure-native services to ensure business continuity and compliance.
- Optimized data performance through partitioning, indexing, query tuning, and workload management within Azure SQL and Synapse environments.
- Established data security and governance frameworks, including role-based access control (RBAC), encryption, auditing, and compliance alignment.
- Automated infrastructure and data operations using Terraform, Ansible, PowerShell, and Azure DevOps, improving deployment consistency and reducing manual effort.
- Integrated multi-cloud and hybrid data architectures, supporting interoperability across Azure, AWS, and GCP environments.
- Collaborated with cross-functional teams to support analytics, reporting, and downstream consumption by BI and enterprise applications.
- Developed architecture standards, best practices, and reference designs to guide cloud data adoption across the organization.
- Mentored engineers and DBAs, driving continuous improvement in data engineering, cloud architecture, and operational excellence.
- Designed logical and physical database architectures for enterprise applications, optimizing storage utilization, scalability, performance, and resiliency.
- Managed enterprise database monitoring, workload analysis, and performance metrics using Azure monitoring and SQL performance tuning methodologies.
- Developed and maintained database continuity, backup/recovery, and disaster recovery procedures supporting business-critical cloud workloads.
- Collaborated with application development and infrastructure teams to implement database schema changes, optimize access methods, and improve data reliability.
- Performed capacity planning, storage optimization, and database resource management across Azure SQL, Synapse, and hybrid cloud environments.

Libera Partners, Washington, DC

10/2021 TO 02/2025

DATABASE CONSULTANT/DBA, GRANT LEADING TECHNOLOGY-PERATON/IRS

- Designed, built, and administered Oracle 12c/19c and SQL Server 2014/2017/2019 databases supporting enterprise and mission-critical applications.
- Led legacy modernization by migrating a Microsoft Access application to a web-based SQL Server platform, implementing full SDLC best practices from requirements through deployment and support.
- Developed data dictionaries, database schemas, tables, indexes, and objects, ensuring alignment with business, security, and compliance requirements.
- Installed, configured, and managed SQL Server Reporting Services (SSRS) to enable enterprise reporting and analytics.
- Executed large-scale data migrations, including Access-to-SQL Server and Oracle 19c to SQL Server, converting and optimizing hundreds of SQL queries.
- Designed, implemented, and supported SQL Server clustering and Always-On Availability Groups, ensuring high availability and fault tolerance for mission-critical IRS systems across production and disaster recovery environments.
- Provided comprehensive DBA support, including performance tuning, monitoring, troubleshooting, and production support across environments.
- Strengthened database security posture by resolving vulnerabilities and maintaining over 90% compliance with organizational security standards.
- Supported ETL operations using Informatica, managing daily, weekly, and monthly data loads from multiple source systems.
- Maintained database schemas, metadata, and data dictionaries to ensure consistency, governance, and compliance across enterprise systems.
- Directed database performance analysis, indexing strategies, query optimization, and database tuning activities to improve application responsiveness and operational stability.
- Executed database upgrade planning, patching coordination, and lifecycle management activities for Oracle and SQL Server environments.
- Partnered with business users and developers to analyze reporting requirements, data models, and ad-hoc query needs while improving data accessibility and integrity.
- Developed and tested backup/recovery procedures and disaster recovery scenarios to support business continuity objectives and operational readiness.
- Automated database operations and data injection using PowerShell, reducing manual effort by 70% and improving system

reliability.

- Performed database patching and maintenance, including Oracle 19c (19.3 → 19.17 via OPatch) and SQL Server 2019 (Patch 4280 / KB [REDACTED]), ensuring stability and security.

Libera Partners, Washington, DC

07/2020 TO 09/2021

DATABASE DEVELOPER/DBA, Midtown Group-Ventura/USDA

- Implemented code development and code changes on stored procedures and XML report files on MS SQL Server 2017 databases.
- Created and revised SQL scripts for database structures and database objects.
- Developed interactive dashboards and visual reports using SSRS/Power BI to support data-driven decision-making and business intelligence initiatives.
- Worked with Windows Server technologies including Active Directory and Remote Desktop (RDP).
- Developed and maintained stored procedure, process, and jobs.
- Maintained data integrity and accuracy.
- Implemented high availability solutions, backup and recovery, Dummy data setup at Development environment.
- Implemented database cleanup and controlled access.
- Used Git and JIRA and SharePoint for version control, tickets and files management.
- Designed and implemented database object changes, schema modifications, and stored procedure enhancements to support evolving business requirements.
- Monitored database health, analyzed performance metrics, and resolved data integrity and performance-related issues across SQL Server environments.
- Collaborated with business and reporting teams to develop optimized SQL queries, reporting datasets, and user-focused data solutions.
- Developed and distributed monthly reports with aggregate data to Management.
- Provided data analysis and management support

SENIOR IT CONSULTANT, Erim Eyecare

- Implemented digital transformation initiatives for insurance claims and regular business workflow.
- Implemented high availability solutions, backup and recovery, network security and troubleshooting.
- Implemented data backup on AWS S3.
- Implemented IT health audit and resolved network and controlled access issues.
- Developed and presented executive reports to Management with aggregate data.
- Provided data analysis and information management support.

Marathon TS / Incentive Technology Group - ICF

04/2020 TO 06/2020

SENIOR SYBASE/MS SQL ENGINEER (CONTRACTED TO SECURITIES AND EXCHANGE COMMISSION)

- Provided operational and production support for Microsoft SQL Server 2008/2012/2014/2016 databases in Windows environments, ensuring high availability and performance for mission-critical systems.
- Delivered ETL processes, data migration, and database solutions supporting enterprise digital transformation initiatives.
- Administered and supported Sybase ASE 15.5 databases across Solaris UNIX and Red Hat Linux platforms.
- Supported Sybase IQ 12.7 data warehouse environments, ensuring data integrity, performance, and reliability in Solaris UNIX systems.
- Collaborated with Unix infrastructure teams to perform Sybase DBA support during server patching, upgrades, and maintenance activities.
- Managed and resolved incident, service request, and change tickets, adhering to SLA and change management processes.
- Supported major Unix server patching activities and planned change implementations, minimizing system downtime and operational risk.
- Utilized ServiceNow for ITSM workflows and SharePoint for documentation, knowledge sharing, and file management.
- Supported enterprise database environments involving SAN storage, Linux/Unix systems, memory allocation, and infrastructure coordination activities.
- Performed proactive monitoring, incident resolution, and database performance troubleshooting for high-volume enterprise systems.

Northrop Grumman Corporation/Internal Revenue Service

07/2017 TO 03/2020

PRINCIPAL DATABASE ADMINISTRATOR

- Administered and optimized SQL Server and Oracle databases in high-availability, mission-critical environments, ensuring performance, security, data integrity, and compliance.
- Led enterprise database engineering initiatives including performance optimization, database change management, storage planning, and security administration.
- Directed database continuity planning, backup validation, disaster recovery coordination, and operational readiness activities for mission-critical IRS systems.
- Collaborated with infrastructure and development teams to implement physical database changes, optimize database access methods, and improve platform scalability.
- Evaluated database risks, implemented mitigation strategies, and enforced governance standards to maintain data integrity and

- operational compliance.
- Supported systems across Agile and Waterfall SDLC, delivering reliable database services for large-scale federal applications.
- Designed and executed ETL and data migration solutions using SSIS, Informatica, Oracle Data Pump, and SQL scripting across multiple data sources.
- Developed and maintained stored procedures, ETL jobs, database processes, and reporting solutions to support business and executive decision-making.
- Led database security operations as Team Lead, coordinating SQL Server, Oracle, and system administrators while enforcing access controls and security best practices.
- Contributed to project risk management, documentation, version control, and team mentoring, leveraging SharePoint and StarTeam while providing technical guidance and training.

Northrop Grumman Corporation/Internal Revenue Service

07/2013 TO 07/2017

DATABASE ADMINISTRATOR/TEST ENGINEER

- Promoted from Database Administrator to Principal Database Administrator, supporting large-scale federal systems for the IRS Return Review Program.
- Supported development, testing, staging, and production environments for SQL Server (2005/2008) and Oracle (11g R2/12c) databases on Windows Server 2000–2012 R2, leveraging SAN storage and VMware infrastructure.
- Installed, configured, and designed SQL Server 2008/2008 R2 and Oracle 11g R2 databases, creating application-specific schemas and database objects aligned with business and performance requirements.
- Led Performance Testing (PT) and System Acceptability Testing (SAT) for enterprise PostgreSQL and Greenplum databases in Red Hat Linux environments.
- Worked across Agile and Waterfall SDLC, applying TDD and CI/CD practices to improve database quality, performance, and deployment reliability.
- Analyzed and tested stored procedures, batch jobs, workflows, and data integrity, including financial and health datasets, to ensure regulatory compliance and accuracy.
- Executed complex SQL validation and data analysis using pgAdmin, and performed large-scale ETL data loads using Informatica and XMLSpy.
- Designed, reviewed, and executed test cases and TCERs using IBM Rational CLM/RQM/RCM, and delivered weekly status and metrics reports to customer management.

Netteffects/Maritz, St. Louis, MO

05/2013 TO 07/2013

SQL SERVER DATABASE ADMINISTRATOR

- Supported development, test, staging, and production environments for SQL Server 2000/2005/2008 R2 on Windows across 300+ servers and 4,400+ databases, leveraging SAN, VMware, and PolyServer infrastructure.
- Implemented SQL Server failover clustering to enhance high availability and disaster recovery, achieving a 15% improvement in system uptime.
- Managed and resolved incident, request, and change tickets in a large-scale enterprise environment while meeting strict SLA requirements.
- Performed comprehensive database administration and maintenance, including daily health checks, performance monitoring, query tuning, and validation of backup and recovery processes.
- Ensured database security and compliance by administering logins, users, roles, and permissions at the instance, database, and object levels.
- Deployed database code, schema changes, and data updates by scripting and executing T-SQL and stored procedures, collaborating closely with development and application teams to support releases and projects.

Robert Half Technology/Maryland Insurance Administration, Baltimore, MD

01/2013 TO 04/2013

SQL SERVER AND SYBASE DATABASE SPECIALIST

- Administered and supported SQL Server 2008 R2 Enterprise and Sybase ASE 15.0 databases across Windows, SAN, VMware, and EMC infrastructures in development and production environments.
- Designed, built, and deployed a SQL Server 2008 R2 database for the Online Fraud Data application, supporting regulatory and fraud analysis initiatives.
- Planned and implemented application and enterprise database architectures aligned with business and compliance requirements.
- Performed health insurance and healthcare data analysis, developing complex SQL queries and reports for business and executive stakeholders.
- Supported healthcare and insurance regulatory data environments, ensuring data integrity, reporting accuracy, compliance, and secure handling of sensitive information.
- Performed healthcare-related data analysis, reporting optimization, and database performance tuning for regulatory and fraud analysis initiatives.
- Delivered executive summary and operational reports using Crystal Reports 2008 and SAP BusinessObjects XI 3.1.
- Conducted daily database maintenance and performance tuning, including index repair, statistics updates (DBCC), backup verification, high availability, security controls, and SLA-based ticket resolution.

Kelly Services, Richmond, VA

02/2012 TO 05/2012

ORACLE AND SQL SERVER DATABASE ADMINISTRATOR

(CONTRACTED TO FAREVA, A PHARMACEUTICAL COMPANY – FORMERLY PFIZER)

- Built, administered, and supported Oracle 9i/10g and SQL Server 2000/2005/2008 R2 development and production databases across Linux (Red Hat, HP-UX) and Windows environments for pharmaceutical systems
- Provided 24/7 production support, including performance tuning, capacity planning, monitoring (Statspack), incident resolution, and disaster recovery
- Installed and supported SQL Server 2008 R2 for SAP applications, SAP Business Objects, and enterprise healthcare data platforms; led SQL Server 2005 → 2008 R2 migrations
- Supported pharmaceutical and healthcare database environments requiring high availability, regulatory compliance, secure data management, and operational continuity.
- Coordinated database backup/recovery operations, disaster recovery planning, and performance optimization for enterprise healthcare systems.
- Implemented and managed backup and recovery strategies using RMAN, collaborated with infrastructure teams, and delivered technical guidance and presentations to management

Unatek, Inc., Largo, MD

06/2010 TO 12/2012

SQL SERVER DATABASE ENGINEER/ANALYST

- Designed, built, and deployed SQL Server 2005/2008 R2 and Oracle 10g databases; performed full-cycle development, ETL migrations, and integrated with Microsoft Dynamics CRM and SharePoint 2010.
- Developed and maintained database objects, automated maintenance jobs, and implemented policies to ensure security, integrity, and compliance.
- Conducted requirement gathering, feasibility studies, capacity planning, and collaborated with architects to implement physical data models and database strategies.
- Provided production support, resolved database issues, generated executive reports with SSIS/SSRS, and trained staff on best practices and procedures.

EDUCATION

- MASTER’S IN ENERGY PHYSICS FROM NATIONAL SCHOOL OF PHYSICS, GRENOBLE
- BACHELOR’S IN ENGINEERING PHYSICS FROM OBAFEMI AWOLOWO UNIVERSITY, ILE-IFE

TECHNICAL TRAINING

- IBM Rational Collaborative Lifecycle Management (CLM): RQM, RTM IBM Rational DOORS NG IRS/Treasury Department Integrated Learning Management Portal (2019)
- Crystal Reports 2008 / SAP Business Objects XI 3.0/3.1 Robert Half Technology / Skillssoft portal (2013)
- Database Administration: SQL Server 2008 R2; Oracle 10g, 11g R2; Red Hat Linux Pacific Institute of Technology, McDonough, GA (2010/2012)
- Information Security Awareness (USDA, 2022| IRS 2024)
- Enhanced Security Awareness-Phishing (USDA, 2022| IRS 2024)

PROFESSIONAL DEVELOPMENT

- Advanced training in SQL Server Administration, Oracle Database Administration, Red Hat Linux, and Enterprise Database Engineering
- Ongoing professional development in cloud database platforms, DevOps automation, database security, and disaster recovery strategies