Onyinye Eugenia Asadu

Database Administrator | *MySQL* | *PostgreSQL* | *SQL Server* |
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PROFESSIONAL SUMMARY

Database Administrator with 3+ years managing production MySQL, PostgreSQL and SQL Server across 400+ databases in financial services. Skilled in performance tuning, query and index optimisation, backup and recovery, and database security and encryption. Experienced in regulated environments processing 20M+ daily transactions.

CORE SKILLS

Performance Tuning, Query and Index Optimisation

- Reduced query execution time from 8 seconds to under 6 seconds through execution plan analysis, indexing and partitioning, and resolved blocking using Query Store, wait statistics and DMVs on systems processing 20M+ daily transactions.

Backup, Recovery and Disaster Recovery

- Designed automated HA and backup architecture from scratch across PostgreSQL, SQL Server and MySQL, with scheduled restore tests and backups verified through RESTORE VERIFYONLY and DBCC CHECKDB, achieving 100% backup reliability.

Database Security, Encryption and Compliance

- Enforced role-based access, Transparent Data Encryption, TLS and audit logging in line with central bank requirements, with zero data integrity failures across 400+ databases.

Additional: Capacity planning | Proactive monitoring and alerting | Automated health checks | Patching and upgrades | T-SQL | PL/SQL | Stored procedures | SSIS/ETL pipelines | Streaming replication | Logical replication | WSFC | Failover drills | WAL archiving | Point-in-time recovery | pg_stat_statements | Azure SQL Database | Azure SQL Managed Instance | SolarWinds | Linux | Docker | Git/GitHub | Power BI

WORK EXPERIENCE

Database Engineer | *Nigeria Inter-Bank Settlement System (NIBSS)* | *Apr 2024 - Aug 2025* | *Lagos, Nigeria*

- Administered enterprise database environments across SQL Server, MySQL, PostgreSQL, Redis, Elasticsearch and Kafka, supporting 20M+ daily transactions with zero data integrity failures.
- Designed and implemented automated backup and HA strategies, achieving 100% backup reliability and reducing RTO by 40%. Optimised query performance, reducing execution time from 8s to under 6s.
- Automated routine DBA workflows using Python, reducing manual effort from 10+ hours to near-zero per week. Collaborated with developers and infrastructure teams on database deployments and data pipelines.
- Enforced least-privilege roles, scram-sha-256 authentication, TLS and pgaudit audit logging in line with central bank requirements, and monitored replication lag, connections and query performance through Grafana.

Database Administrator | *Fidelity Bank PLC* | *Aug 2022 - Mar 2024* | *Lagos, Nigeria*

- Administered Oracle and Microsoft SQL Server across critical financial applications, maintaining 99% uptime and ensuring data integrity and security at all times.
- Resolved 150+ weekly transaction data issues through structured root cause analysis, directly improving customer reporting accuracy. Led legacy system migrations with zero data loss.
- Delivered DBA training to junior staff, reducing repeat incidents. Maintained security, user access controls and audit trails in compliance with financial services regulatory requirements.
- Maintained Failover Cluster Instances on Windows Server Failover Clustering, log shipping to a secondary site and transactional replication to reporting servers, with full, differential and log backups verified through RESTORE VERIFYONLY and DBCC CHECKDB.

Technical Support Engineer | *Tek Experts / TeKnowledge* | *Apr 2022 - Aug 2022* | *Lagos, Nigeria*

- Resolved technical issues for enterprise clients across Windows and the Microsoft Office suite (Excel, Word, Outlook, Access, PowerPoint), achieving 95% ticket resolution within SLA while managing multiple live cases at once.
- Troubleshot hardware and driver faults, network problems (connectivity, Wi-Fi, VPN, shared drive access) and malware, escalating wider security risks.
- Used Event Viewer and application logs to find root causes rather than applying quick fixes, managing my own case queue without close supervision and prioritising by business impact.
- Escalated complex cases to specialist teams with clear notes on what had been tested, and wrote step-by-step knowledge base guides for recurring issues.

PROJECTS

HA, Backup and Recovery Redesign | *NIBSS* | *2024* | *Lagos, Nigeria*

- Identified gaps in backup strategies across PostgreSQL, SQL Server and MySQL environments processing 20M+ daily transactions, and redesigned high availability, backup and recovery using RMAN, reducing RTO from 4 hours to 90 minutes.
- Automated backups with scheduled restore tests, achieving 100% backup reliability across the estate.

Legacy Database Migration | *Fidelity Bank PLC* | *2022* | *Lagos, Nigeria*

- Led end-to-end migration of critical financial applications from Oracle to SQL Server using ETL, with zero data loss and minimal service interruption.
- Produced full documentation for the migration, including data mapping, validation checklists and runbooks.

Hospital Readmission Prediction - ETL Pipeline | *MSc Dissertation* | *2026* | *Sheffield Hallam University*

- Built end-to-end ETL pipeline across 100,000+ health records - schema design, feature engineering and data quality validation from raw data to model-ready format using Python and Pandas.
- Compared an LSTM against logistic regression, random forest and XGBoost baselines, with SHAP explainability and fairness analysis by gender and race.

University Insights Dashboard | *Personal Project* | *Feb - Mar 2026* | *Sheffield, UK*

- Cleaned and structured 395+ academic records using SQL and Python.
- Engineered a Pass/Fail classification feature and identified a 58.48% overall pass rate.

EDUCATION

MSc Data Science and Artificial Intelligence (Distinction) | *Sheffield Hallam University* | *2025 - 2026* | *Sheffield, UK*

- Dissertation: Predictive system for 30-day hospital readmission using LSTM deep learning.

CERTIFICATIONS AND MEMBERSHIPS

- Microsoft Azure Data Fundamentals (DP-900) - Microsoft, 2025
- COBIT 2019 Foundation - ISACA, 2024
- Student Member, BCS - The Chartered Institute for IT, 2026 - Present