Ibrahim Kosoko

Basingstoke, United Kingdom
+44 7407 435 720 • kosokoi36@gmail.com • LinkedIn

Database Administrator and Site Reliability Engineer with 8+ years installing, configuring, architecting, and tuning enterprise-scale MySQL, SQL Server, Oracle, and PostgreSQL environments across hybrid cloud and on-premises infrastructure. Combines database performance monitoring and query optimization with data security practices (access controls, encryption, GDPR compliance) and automated backup and disaster recovery design. Delivered 99.99% availability across 190+ production databases spanning 20 countries, with a track record of capacity planning, regulatory-compliant documentation, and 24x7 incident response for mission-critical systems.

Core Competencies

- **Database Installation, Configuration & Performance Tuning**: MySQL, SQL Server, Oracle, and PostgreSQL installation, upgrades, patching, and SQL query optimization, backed by performance monitoring with Prometheus, Grafana, and CloudWatch across on-premises and cloud environments
- **Database Architecture, Backup & Disaster Recovery**: Active-Active MySQL cluster topology design, Always On Availability Groups, Oracle Data Guard, RMAN, Log Shipping, geo-redundant backups, and point-in-time recovery
- **Data Security, Encryption & Compliance**: access controls, AWS KMS encryption, IAM authentication, Secrets Manager, and GDPR compliance
- **Capacity Planning & Automation**: Python, Bash, Ansible, and Terraform for standardized administration, proactive capacity planning, and reduced configuration drift
- **Multi-Platform Database Administration & Incident Response**: 190+ enterprise databases across 20 countries, 24x7 on-call, root cause analysis, and ITIL-aligned change management

Professional Experience

- **VISA** — **United Kingdom**
  Site Reliability Engineer — *2025–Present*
  - Administer and improve reliability of a distributed MySQL platform comprising 6,000+ production database instances across on-premises infrastructure and AWS/GCP, including building Active-Active MySQL cluster topologies and provisioning AWS RDS/Aurora instances
  - Secure AWS database infrastructure using Secrets Manager, IAM authentication, KMS encryption, and VPC networking
  - Engineer Infrastructure-as-Code solutions using Terraform, env0, Ansible, and Python to standardize database infrastructure, reducing configuration drift and accelerating deployments
  - Improve observability by integrating Amazon CloudWatch with ServiceNow ITOM; manage monitoring, alerting, and production incidents for MySQL and Neo4j services
  - Participate in 24x7 on-call rotations and SWAT incident response, performing root cause analysis and preventative engineering
- **Hypercore IT Solution** — **United States**
  Database SRE (Remote) — *2024–2025*
  - Automated database operations using Python, Bash, and PowerShell across SQL Server and NoSQL platforms, while designing Infrastructure-as-Code solutions with Terraform
  - Led production incident response, root cause analysis, and disaster recovery validation, improving deployment consistency
  - Improved platform reliability and observability using Prometheus, Grafana, Docker, and Kubernetes

- **Sodexo** — **United Kingdom**
  Database Engineer (Contract) — *2024*
  - Installed and optimized SQL Server 2019/2022 environments in Microsoft Azure, implementing backup, point-in-time recovery, and maintenance strategies alongside proactive query and performance tuning
  - Designed high availability and disaster recovery solutions using Always On Availability Groups, Log Shipping, and geo-redundant backups
- **UBA Group** — **Lagos, Nigeria**
  Database Administrator — *2019–2024*
  - Managed 190+ enterprise SQL Server, Oracle, MySQL, and PostgreSQL databases spanning 20 countries, delivering 99.99% availability through Always On Availability Groups, Oracle Data Guard, and RMAN
  - Led enterprise database migrations, upgrades, capacity planning, and production change management, impact assessments, and rollback planning
  - Produced ISO-compliant operational documentation and disaster recovery runbooks while supporting infrastructure sizing and enterprise governance
- **UBA Group** — **Lagos, Nigeria**
  IT Support Engineer — *2018–2019*
  - Delivered enterprise infrastructure and end-user support across Microsoft 365, Google Workspace, and Windows Server

Education

- **University of Bolton** — **Bolton, UK**
  MSc Data Analytics and Technologies (Distinction) — *2023–2024*
- **Eastern Mediterranean University** — **Famagusta, Cyprus**
  BEng Civil Engineering (First Class) — *2013–2017*

Languages

- English (fluent).

Publications

- Kosoko, I.O. et al. (2025). Leveraging Deep Learning and Explainable AI for Diagnosis of Prostate Cancer. IEEE.

References

- Available upon request.