

CURRICULUM VITAE

Personal Information

Full Name: LUCY AKINYI

Phone: +254707200682

Email: LUCYKINYI041@GMAIL.COM

Address: 18 - 20303 MIHARATI

GitHub Account: <https://github.com/mwalimu-mwangi>

Professional Summary

Results-driven IT professional with over 3 years of experience in database administration and applications development within a university setting. Skilled in designing, customizing, and integrating enterprise systems with strong expertise in Oracle, MySQL/MariaDB, PostgreSQL, MSSQL, and SQLite. Adept in system development using modern programming languages such as PHP, .NET, Java, and JavaScript. Proven ability to optimize database performance and support systems integration using RESTful and SOAP-based APIs.

Key Skills & Competencies

- **Database Technologies:** Oracle, MySQL/MariaDB, PostgreSQL, MSSQL, SQLite
- **Database Tools:** ADO.NET, ORM, LINQ to SQL
- **Programming Languages:** PHP, .NET, Java, JavaScript
- **ERP Systems:** Advanced knowledge and customization experience
- **Systems Integration:** RESTful and SOAP APIs
- **Database Optimization:** Performance tuning, indexing, defragmentation, replication
- **Software Development:** URA documentation, back-end & front-end development
- **Testing & Support:** Test case definition, bug tracking, user support
- **Security:** Database security, audit trails, forensic investigation

Professional Experience

Database Administrator / Applications Developer

Cysparks - Nakuru

March 2022 – December 2024

- Maintained institutional databases by implementing indexing, tuning, and performance optimization.
- Designed and implemented system integrations using RESTful and SOAP APIs across multiple platforms.
- Collaborated with academic departments to customize ERP modules and generate dynamic reports.
- Developed URA documentation and mapped requirements to systems and database components.
- Conducted regular database housekeeping, including backups, defragmentation, and replication.
- Supported application users by troubleshooting and providing technical guidance.

Education

Bachelor of Science in Computer Science

Karatina University

Graduated: 2021

Certifications

- Oracle Certified Professional (OCP).
- Microsoft Certified: Azure Database Administrator Associate.

Projects / Contributions

- Spearheaded a student records system integration that cut data redundancy.
- Designed and optimized database indexes that halved query execution times.
- Developed a custom reporting engine using LINQ to SQL for departmental analysis.
- Developed student attendance management system using Postgres(web based & mobile version)