

LEHLOHONOLO MAKOTI

Data Governance and Management



lehlohonolomakoti@hotmail.com

<https://www.linkedin.com/in/lehlohonolomakoti/>
<https://github.com/lmakoti>



(+44) 78522 79543

London, England, United Kingdom

EXPERIENCE

Data Management & Analytics Specialist

The Commonwealth Secretariat
Intergovernmental Organisation

Feb 2021 - Present
<https://thecommonwealth.org/>

- Engage in a team-driven approach to craft a tailored Data Governance Roadmap and Data Quality Framework, aligning with the Secretariat's culture. The goal is to advance from Level 2: Managed to Level 4: Measured on the CMMI Data Governance Maturity Model.
- Utilise methodologies to design and implement an enterprise-level information architecture, aligning with business objectives and data design principles for enhanced data management and accessibility
- Support Data Protection initiatives with the Legal Counsel. Conducted comprehensive Data Protection Impact Assessments and managed Data Subject Access Requests, reflecting the collective commitment to privacy standards and legal compliance.

Data Manager (Research: Public Health Evaluation)

Elizabeth Glaser Pediatric AIDS Foundation
Clinical Research

Dec 2019 - Feb 2021 · 1 yr 3 mon
<https://pedaids.org/>

- Strategically developed and executed comprehensive data management plans for research studies, encompassing robust data collection methodologies, reporting processes, and the establishment of data warehouses. This pivotal role ensured the consistency and accuracy of data across all research phases.
- Led the training and mentoring of research staff in data collection and management techniques, emphasising the significance of ethical handling of health data to protect human rights and dignity.

Data Manager (Programs: Strategic Information and Evaluation)

Elizabeth Glaser Pediatric AIDS Foundation
Clinical Research

Dec 2018 - Dec 2019 · 1 yr 1 mon

- Managed integrating and analysing complex datasets for diverse program initiatives, focusing on precision and timely insights. Offered guidance on data management techniques and played a key role in formulating evaluation metrics and strategic planning.
- Analyse patient tracking databases to assess the impact of pediatric AIDS programs, utilising statistical techniques to inform strategy. Collaborate in designing evaluation frameworks identifying catchment areas with a limited community reach to promote new patient care initiatives.

Data Analytics Professional - Contractor

Upwork
Freelance

Jan 2020 - Feb 2021 · 1 yr 2 mon

- Utilise advanced data analytics techniques to extract, analyse, and interpret large datasets, providing actionable insights for informed business decision-making and strategy development.
- Collaborate with cross-functional teams to identify key performance indicators, ensuring data integrity and accuracy in reporting and driving continuous improvement through data-driven insights.
- supervising and mentoring data science interns and data analyst placements, actively guiding their professional development and enhancing their technical and analytical competencies.

Web Applications Developer

Computer Business Solutions
IT Consulting

Jan 2020 - Feb 2021 · 2 yr 7 mon
<https://www.cbs.co.ls/>

- Gathered and documented customer feedback and requirements and worked with other team members to incorporate them into the design and development of web applications.
- Ensuring that web applications are developed under industry best practices and standards, including security and accessibility.

PROJECT PORTFOLIO (ROLE-BASED)

Project: Use of Point-of-Care Nucleic Acid Tests Beyond Early Infant Diagnosis of HIV: A Retrospective Case Review in Lesotho

Role/Capacity: Data Manager and Database Administrator

Rapid diagnostic tests (RDTs) for HIV antibodies remain the primary method of diagnosis of HIV in individuals over age 18 months in Lesotho. Although antibody tests have high sensitivity and specificity, up to 2.3% of serial two-test algorithms can have discrepant results between RDTs. In the case of inconclusive RDT results, Lesotho guidelines at the time of this study recommended either repeat testing with the same RDT algorithm after 14 days or immediately collect a blood sample to be sent for laboratory-based polymerase chain reaction testing. Point-of-care qualitative nucleic acid tests (POC qual NAT) may have benefits in rapidly resolving these inconclusive results, particularly when compared with repeating RDTs later or conventional polymerase chain reaction testing at the National Reference Laboratory.

Project: An integrated management team intervention package to improve maternal and child health outcomes

Role/Capacity: Data Analyst

The IMPROVE study, officially known as the Integrated Management Team to Improve Maternal-Child Outcomes (IMPROVE) Study, conducted by EGPAF Lesotho, focused on enhancing maternal and child health outcomes in Lesotho, particularly for HIV-positive mothers and their infants. The intervention comprised intensified counselling on the Prevention of Mother-to-Child Transmission (PMTCT) of the HIV program, equipping mothers with knowledge and skills. Additionally, healthcare workers received skills-building training and job aids to implement the intervention effectively. The study introduced multidisciplinary integrated management teams involving professionals from various disciplines to ensure comprehensive care for HIV-positive mothers and children.

Project: International Cooperation Database for Mutual Legal Assistance

Role/Capacity: Database & Platform UI Developer

The International Cooperation Database for Mutual Legal Assistance responds to the imperative of bolstering the rule of law institutions and fostering international collaboration among Commonwealth member countries. Recognising the intricate challenges transnational legal issues pose, the project seeks to establish a comprehensive platform for exchanging legal expertise, resources, and information. While ongoing efforts involve providing technical assistance, legislative drafting, and capacity building, the project recognises the critical need for a centralised database to streamline and amplify these endeavours. The aim is to create an organised system that enhances the effectiveness of the rule of law initiatives and addresses the evolving complexities of the legal landscape on a global scale.

Project: Commonwealth Climate Finance Access Hub

Role/Capacity: Data Engineer

The Commonwealth Climate Finance Access Hub is a strategic initiative facilitating streamlined access to climate finance across Commonwealth member countries. As nations grapple with the urgent challenges posed by climate change, there is a pressing need for a centralised platform that provides comprehensive reporting and real-time data visualisation. This project acknowledges the diverse and evolving nature of climate finance and recognises the imperative to enhance accessibility for Commonwealth nations. By consolidating reporting mechanisms and establishing an interactive dashboard, the project seeks to empower member countries to track and manage climate finance, foster transparency, and ultimately support effective climate action on a global scale.

Project: Sentiment Analysis and Media Perception Scaling

Role/Capacity: Data Scientist

Embark on a dynamic project that blends the power of sentiment analysis and media perception scaling to gauge how the Commonwealth is portrayed across diverse media streams. This innovative initiative harnesses data science methodologies to uncover nuanced insights into the collective sentiment towards the Commonwealth. The project aims to deliver a scaled view of media coverage by employing advanced natural language processing and machine learning techniques, offering valuable perspectives to shape strategic decisions and enhance the Commonwealth's public image.

EDUCATION

MSc Data Science

Edinburgh Napier University
Edinburgh, Scotland, United Kingdom

2021/2 – Present (2025)

Focus: Natural Language Processing (NLP) techniques, focusing on their application in public policy analysis and evaluation. Developed expertise in leveraging AI and machine learning tools to extract insights from complex policy documents and public opinion data, contributing to data-driven policymaking.

BSc Mathematics and Computer Science

National University of Lesotho
Roma, Maseru, Lesotho

2011/12 – 2015/16

Focus: application of inference engines in expert systems for relationship prediction. Enhanced skills in data interpretation and evaluation, effectively leveraging these engines to derive conclusions from established language rules within specific corpora and contexts.

PROFESSIONAL MEMBERSHIPS

Information Systems Audit and Control Association (ISACA)	an international professional association focused on IT (Information technology) governance.
Data Management Association, London Chapter	DAMA International is dedicated to advancing the concepts and practices of information and data management and supporting DAMA members and their organisations to address their information and data management needs.
The Open Group (The Open Group Framework - TOGAF)	The Open Group is a global consortium that enables the achievement of business objectives through technology standards.
British Computer Society (BCS), The Chartered Institute for IT	BCS is a charity with a royal charter, and its agenda is to lead the IT industry through its ethical challenges, to support the people who work in the industry, and to make IT good for society.
The Data Governance Institute	The Data Governance Institute is the industry's oldest and best-known source of in-depth Data Governance best practices and guidance. Founded in 2003, it's the industry's number one recognised name, with practitioners worldwide consistently reporting that they have based their programs on the DGI Data Governance Framework and supporting material.
Axelos Global Best Practices	AXELOS is a joint venture set up in 2014 by the Government of the United Kingdom and Capita, to develop, manage and operate best practice qualifications in methodologies formerly owned by the Office of Government Commerce (OGC). PeopleCert, an examination institute responsible for delivering AXELOS exams, acquired AXELOS in 2021.

CERTIFICATIONS

Data Governance Practitioner and Associate Data Management International (DAMA) - DMBOK®	The Open Group Certified - Level 1 The Open Group - TOGAF®9
Data Analyst Associate Specialist Microsoft PowerBI Tableau Desktop	Azure Data Scientist Associate Microsoft
Research Ethics FHI360	Certified in Risk and Information Systems Control® Information Systems Audit and Control Association (ISACA)
PRINCE2 - Foundation Axelos Global Best Practice - PRINCE2®	Data Protection GDPR - Foundation British Computer Society, The Chartered Institute for IT
COBIT2019 - Foundation Information Systems Audit and Control Association (ISACA)	ITILv3 IT Service Management - Foundation Axelos Global Best Practice

Skills and Tools

Category	Skills and Tools
Cloud & Data Engineering	Azure Databricks, Azure DevOps, Python, Extract-Transform-Load (ETL/ELT), Data Architecture, Data Migration, Data Warehousing,
Data Science & Analysis	Azure Machine Learning, Statistics, Power BI, Tableau, Data Modelling, Analytical Skills
Project & Business Management	Project Planning, Business Process Mapping, Project Management, SharePoint
Data Management & Privacy	Data Privacy, Data Collection (ODK, CommCare, SurveyCTO), Data Analysis, Data Management Planning, Data Governance
Development & Data Analytics	Relational Databases (Microsoft SQL Server, MySQL, PostgreSQL), Front-End Development, Software Project Management