

Derrick Mageto Machora

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DATA SPECIALIST/DATA ARCHITECT

As an experienced Data Specialist, I possess a wealth of knowledge in managing and optimizing master data to support strategic decision-making and operational efficiency. With a background in Acumatica and Microsoft Dynamics 365 ERPs, I excel in data migration, vendor setup and ensuring data consistency and integrity for reporting, analysis and operations. My analytics skills, expertise in python and SQL stored procedures, scripts, functions and views, equips me with the skills to maintain high standards of data quality and compliance.

I am currently deeply rooted in the MS Azure Cloud Platform, with experience in Azure Data Factory, MS Fabric and PowerBI, ensuring seamless data integration, analysis and reporting.

Additional skills include:

- Cloud Technologies (GCP, AWS and Azure).
- Master Data Management (MDM)
- Big Data Technologies (Hadoop, Spark, TensorFlow, PyTorch).
- Data Security, governance and Privacy Compliance.
- Team Collaboration and Stakeholder Engagement

PROFESSIONAL EXPERIENCE

Naivas Supermarket Kenya

March 2023 - Present

Data Analytics Engineer

Roles and Responsibilities:

- Work closely with IT teams/engineers to optimize database queries and improve data retrieval speed.
- Conduct regular audits of data sources to maintain data integrity and accuracy.
- Perform master data additions, changes and deletions in accordance with set standard procedures.
- Develop interactive dashboards using Power BI to visualize vendor performance and customer demographics.
- Present findings from data analysis to key stakeholders, including management and marketing teams.
- Identify opportunities for process automation to streamline data collection, regular data cleanup and analysis tasks.

Accomplishments:

- Developed a Purchase Order tracker dashboard that monitored LPO lifecycle and approval processes, reducing delays by 15% and enhancing team visibility and accountability.
- Implemented report automation through Microsoft Fabric, streamlining reporting processes and reducing manual effort by 25%. This increased efficiency, accuracy and timeliness of reports, facilitating better decision-making across departments.
- Implemented a refined percentage-based rebate system where vendors paid rebates to the company, resulting in significant savings and generating new revenue streams. This contributed to a 2.5% increase in net profit margins and fostered sustainable business growth.

Gilanis Distributors Limited

Lead Data Analyst

June 2022 - March 2023

Accomplishments:

- Optimized Data Infrastructure: Engineered and implemented optimized data pipelines resulting in a 10% reduction in query response times and a 25% increase in system efficiency.
- Developed Automated Solutions: Designed and deployed automated data processing scripts using Python reducing manual processing time by 20% and ensuring consistent data quality across multiple projects.
- Enhanced Data Security Measures: Worked with a team that saw the implementation of robust data security protocols, ensuring compliance with industry standards (e.g., GDPR, HIPAA), fortifying data integrity and privacy.
- Contributed to Scalability: Played a pivotal role in implementation of scalable data systems accommodating a 50% increase in data volume without compromising performance or reliability.
- Project Impact: Led the successful execution of customer mapping exercise that increased the number of customers by 3x for the company.
- Technology Integration: Introduced and integrated Power BI and a Microsoft Data focused infrastructure on azure, enhancing data analytics capabilities and empowering teams to derive deeper insights, resulting in improved decision-making.

Campaigns, Outreach Monitoring and Evaluation Volunteer

Roles and Responsibilities:

- Participated in campaigns to educate and enlighten individuals and institutions on digital rights, data protection and data governance.
- Conducted impact assessments of human rights initiatives and programs, analyzing data to evaluate their effectiveness and identify areas for improvement.
- Developed visually compelling data visualizations to communicate complex human rights data and trends effectively to stakeholders, including policymakers, donors, and the public.

Accomplishments:

- Conducted impact assessments of human rights initiatives, leading to an improvement in program effectiveness.
- Utilized data analysis to support human rights advocacy efforts, resulting in a 5% increase in evidence-based advocacy campaigns.

Savannah Health Informatics Limited

August 2021 - Feb 2022

Junior Data Engineer

Roles and Responsibilities:

- Developing and maintaining automated reports for company stakeholders and partners.
- Mapping hospitals and facilities with their corresponding insurance partners to track the loading of insurance claims.
- Creating data pipelines to stream data from different sources and DWH to GCP for analysis and studies
- Using data in GCP to create dashboards and visualizations of various KPIs.
- Creating and maintaining dashboards for partner teams at Afya Jijini to track HIV/TB metrics
- Proficient in report creation and maintenance, data mapping, pipeline development, dashboard creation and maintenance, and data visualization using GCP.
- Working with complex and sensitive data to create and maintain dashboards for partner teams at Afya Jijini.
- Streamlining data management and analysis, enhancing data quality, and improving the efficiency of the data pipeline at Savanah Informatics Limited.

ACADEMIC QUALIFICATIONS

Moringa School	2023-2024
Data Science and Machine Learning	
Johns Hopkins University Online	Ongoing
Data Scientist Toolbox(Data Science Specialization)	
Jomo Kenyatta University of Agriculture and Technology	2018 - 2021
BSc Mathematics and Computer Science(Statistics Major)	

REFERENCES

Dickson Ndinguri, CTO, Gilanis Distributors Limited, nganga.dickson@gilanis.co.ke +254712444386	Danzel Akwany, Data Engineer, Savannah Informatics Ltd. denzelakwany@healthcloud.co.ke. +254700103186 .	Alex Karanja Head of Digital Transformation, Naivas Kenya LTD, akaranja@naivas.co.ke +254722242727
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