



Data Governance Lead

Locations: Head Office NBC

Time type: Full time

Job requisition id: R-15959946

Application Deadline: **06 December 2023**

Job Summary

As a Data Governance Lead, this role will play a pivotal role in ensuring that NBC organization's data assets are effectively managed, governed, and leveraged to drive informed decision-making, regulatory compliance, and overall data quality. Role will be responsible for developing and implementing data governance strategies, policies, and standards while collaborating with cross-functional teams to establish a culture of data stewardship and accountability.

Job Description

Key accountabilities

- Data Management across multiple systems and business units (i.e., removing duplicates, standardizing data, and incorporating rules to eliminate incorrect data from entering the system).
- Collaborate with IT and data owners to create, validate, and maintain data quality.
- Create and maintain documentation for data standards (master data, reference data, data quality, and integration rules).
- Work closely with business units and stakeholders in identifying data-related opportunities.
- Develop data quality reports to monitor the health of the enterprises' data.
- Identify and lead data quality improvement initiatives.
- Independently develop queries to extract, manipulate and/or calculate information to fulfil data reporting requirements.
- Create and produce reports utilizing our data warehouse and summarize your findings through automated visualizations on organizations data health.
- Synthesize complex data/analyses into clear reports and visualizations that tell the story in a meaningful way as well as make insightful recommendations on data quality improvements.
- Ensure accuracy and integrity of the banks data.

- In collaboration with data working work group, define and execute overall data management strategy including data: governance, security, collection, transformation, modelling, quality, and knowledge management processes.
- Develop and maintain consultative and collaborative relationships with key data owners.
- Review existing data and operational systems in relation to future needs and benefits, and recommend improvements to meet Banks informational and decision support needs, develop/implement improvement roadmaps and train users
- Provide support for prioritization, project oversight and mentorship on large-scale data-related or data-intensive initiatives and measure and monitor benefits realization of those initiatives.
- Coordinate with IT and operational counterparts to lead data driven projects involving timelines, vendor relationships, and budgets to ensure projects are delivered with the highest quality and within specified timeframes.
- Develop and design presentations, reports, and other deliverables and summarize findings to key data stakeholders and executive leadership, communicating with both technical and non-technical team members.
- Develop baseline technology standards, tools platforms and processes in support of the overall data strategy.

Qualifications

Bachelor`s Degrees and Advanced Diplomas - Computer and Information Science, Business Analysis, Commercial mindset - Senior, Digital affinity, Experience in a similar environment at management level, Interpersonal effectiveness, Leading people - Leadership level, Leading with influence, Management Experience, Management information systems, Reasoning, Risk Management

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Lead Data Scientist

Locations: Head Office NBC

Time type: Full time

Job requisition id: R-15959945

Application Deadline: **06 December 2023**

NBC is the oldest serving bank in Tanzania with over five decades of experience. We offer a range of retail, business, corporate and investment banking, wealth management products and services.

Job Summary

The role involves fetching information from various sources and analyzing it to get a clear understanding of how an organization performs, using statistical and analytical methods plus AI tools to automate specific processes within the organization and develop smart solutions to business challenges. The objective is to help the organization analyze trends to make better decisions. The role leverages data-driven insights to inform and guide decision-making within an organization. It plays a crucial role in extracting valuable knowledge from large and complex datasets, which can be used to solve specific business problems and drive innovation.

Job Description

Key Accountabilities

- Collect, acquire, and integrate data from various sources, such as databases, APIs, and external datasets.
- Ensure data quality and cleanliness through data cleaning and pre-processing.
- Conduct EDA to understand the characteristics of the data, identify patterns, and detect outliers.
- Visualize data using appropriate tools to gain insights.
- Engineer relevant features from raw data to enhance the performance of machine learning models.
- Select and transform variables for predictive modelling.
- Develop and train machine learning models for tasks like classification, regression, clustering, and recommendation.
- Optimize models for accuracy and efficiency.
- Create meaningful and visually appealing data visualizations to communicate findings to stakeholders.
- Apply statistical methods to analyse data and test hypotheses.
- Use statistical tests for significance and confidence interval estimation.

- Deploy machine learning models in production environments.
- Ensure models are scalable, maintainable, and continually monitored for performance.
- Collaborate with cross-functional teams, including data engineers, domain experts, and business analysts, to understand requirements and objectives.
- Develop a deep understanding of the organization's business goals and challenges.
- Align data science projects with business objectives.
- Adhere to ethical data practices, ensuring data privacy, security, and compliance with regulations.
- Maintain thorough documentation of data analysis, methodologies, and model development for reproducibility and knowledge sharing.
- Stay updated on the latest advancements in data science, machine learning, and relevant technologies.
- Manage data science projects, including scoping, timelines, and resource allocation.
- Prioritize tasks and ensure projects are delivered on time and within budget.
- Establish a feedback loop with stakeholders to incorporate their insights and refine models or analysis.
- Contribute to the development of a data strategy that aligns with the organization's long-term goals.
- Deliver clear and concise presentations and reports to communicate findings, insights, and recommendations to executives and decision-makers.
- Ensure that machine learning models are interpretable, explaining the rationale behind predictions.
- Implement data governance policies and practices to maintain data quality, integrity, and accessibility.
- Formulate and test hypotheses to answer specific business questions using data

Qualifications

Bachelor's Degree - Information Technology, Experience in a similar environment

To Apply, [**CLICK HERE**](#)

Data Engineering Lead

Locations: Head Office NBC

Time type Full time

Job requisition Id R-15959943

Application Deadline: 07 December 2023

NBC is the oldest serving bank in Tanzania with over five decades of experience. We offer a range of retail, business, corporate and investment banking, wealth management products and services.

Job Summary

This role involves designing, developing, and maintaining data infrastructure and data pipelines to ensure that data is efficiently collected, processed, stored, and made accessible for analysis and decision-making within an organization. The role of a Data Engineering Lead is instrumental in supporting data-driven initiatives. This role is instrumental in shaping an organization's data landscape. The ability to blend technical expertise with a strong understanding of business needs is essential in this role.

Job Description

- Design, develop, and maintain data pipelines for extracting, transforming, and loading (ETL) data from various sources into data storage systems.
- Create efficient and scalable ETL processes to ensure the smooth flow of data and its availability for analysis.
- Integrate data from multiple sources, such as databases, APIs, third-party services, and logs, into a unified data ecosystem.
- Implement data quality checks and validation processes to ensure data accuracy and consistency.
- Develop and maintain data models, schemas, and database structures to optimize data storage and retrieval.
- Design and maintain data warehouses, data lakes, or other storage solutions for data analytics.
- Utilize big data technologies such as Hadoop, Spark, Kafka, and NoSQL databases for processing and analysing large volumes of data.
- Stay up to date with emerging data technologies and evaluate their applicability to the organization's data infrastructure.
- Create and maintain data documentation, data dictionaries, and data lineage to support data governance and audit requirements.
- Implement data governance best practices and adhere to data security and compliance standards.
- Optimize database performance, including query tuning, indexing, and data partitioning, to enhance system performance and reduce latency.

- Implement data compression, archiving, and data retention policies to manage storage costs.
- Implement data security measures, encryption, and access controls to protect sensitive data and ensure compliance with data protection regulations.
- Collaborate with data scientists, analysts, and other stakeholders to understand their data needs and provide the necessary infrastructure for data-driven decision-making.
- Work with cross-functional teams to define data requirements for new projects and initiatives.
- Set up monitoring and alerting systems to proactively identify and resolve data pipeline issues, data quality problems, or performance bottlenecks.
- Conduct root cause analysis and troubleshooting of data-related problems.
- Ensure that data infrastructure is scalable to accommodate growing data volumes and evolving business requirements.
- Continuously optimize data pipelines and infrastructure for improved performance and cost-efficiency.
- Implement automation for deployment, data pipeline scheduling, and routine maintenance tasks to increase operational efficiency.
- Keep the team and relevant stakeholders informed about data engineering best practices and new technologies.
- Provide training and knowledge sharing sessions to help others understand and utilize data systems effectively.

Qualifications

Bachelor's Degree - Computer and Information Science, Experience in a similar environment ideally at executive management level

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Enterprise Analytics' Lead

Locations: Head Office NBC

Time type: Full time

Job requisition id R-15959944

Application Deadline: 07 December 2023

Job Description

- Conduct in-depth data analysis to identify trends, patterns, and anomalies within datasets, using statistical and machine learning techniques.
- Develop and implement predictive models, statistical models, and machine learning algorithms to extract valuable insights from data.
- Extract, clean, and pre-process data from various sources to ensure data accuracy, consistency, and readiness for analysis.
- Implement data quality checks and validation procedures to ensure data integrity and reliability. Address data quality issues and anomalies as they arise.
- Collaborate with data engineers and IT teams to integrate and consolidate data from multiple sources, ensuring a unified and comprehensive dataset.
- Perform ad-hoc analyses to answer specific business questions and provide quick insights when necessary.
- Continuously improve data analysis processes and models to enhance the efficiency and effectiveness of data-driven decision-making.
- Adhere to data security and privacy regulations, ensuring that data handling and analysis practices comply with relevant laws and policies.
- Collaborate with various departments and business units to understand their data needs, align analytics efforts with business objectives, and provide data-driven recommendations.
- Maintain detailed documentation of data analysis processes, methodologies, and results for future reference and reporting.
- Share knowledge and expertise with team members and stakeholders, promoting data literacy and understanding within the organization.
- Stay updated on emerging data analysis techniques, tools, and technologies, and seek opportunities for professional development.
- Generate regular and ad-hoc reports that summarize key findings and insights from data analyses, providing actionable recommendations to support decision-makers.
- Manage analytics projects, including scoping, planning, execution, and delivery, while meeting project deadlines and milestones.

Education and Experience Required

- Bachelor's in Computer Engineering/Computer Science/Data Science technical or related experience.
- At least 5 years of Analytical Systems support experience.
- Minimum of 5-years' experience in data designs and modelling.
- Proven work experience as Data Analyst, Data Specialist, or similar role.
- In-depth understanding of database structure principles.
- Experience gathering and analyzing system requirements.
- Experience in data mining and modelling techniques.
- Experience in SQL and relational and non-relational databases.

Knowledge, Skills & Competencies:

- Proficiency in data analysis techniques and tools to explore, clean, and transform data into actionable insights.
- Strong SQL skills to query, manipulate, and analyze data stored in relational databases.
- Expertise in data visualization tools like Tableau, Power BI, or similar software to create visually compelling and informative charts, graphs, and dashboards.
- Ability to create data models and use statistical methods to forecast trends and make data-driven predictions.
- Familiarity with data warehousing concepts and structures, including data cubes and star schemas.
- A strong understanding of business operations, objectives, and key performance indicators (KPIs) to align BI solutions with organizational goals.
- The ability to identify complex business problems and use data to propose effective solutions and strategies.
- Familiarity with various database management systems, including NoSQL databases.
- Proficiency in statistical analysis techniques to derive meaningful insights from data.
- The ability to work closely with cross-functional teams and departments to gather requirements and understand the needs of end-users.

Qualifications

Bachelor's Degree - Information Technology, Experience in a similar environment

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