Nicole Mwanaidi |Business Intelligence Dev/Data Analyst

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PROFESSIONAL SUMMARRY

- Microsoft certified Power BI Data Analyst Associate with 10+ years of professional IT experience in developing and designing Business Intelligence solutions.
- Extensive experience in Power BI on how to import, shape, and transform data for business intelligence (BI), Visualizing data, authoring reports, scheduling automated report refreshes, creating semantic models (datasets), and creating and sharing dashboards based on reports in Power BI desktop.
- Proficient in writing complex DAX calculations in Power BI using Tabular Editor 3 to develop insightful measures and calculated columns.
- Experience in Creating, Maintaining & scheduling various reports in Power BI like Tabular Reports
- Experience in creating and managing workspaces using Power BI Admin Portal workspaces and Tenant Settings.
- Experience in creating paginated reports using Power BI Report Builder, and in creating a Drill-through to paginated report from Power BI report by using dynamic measures.
- Experience Managing Power BI Portal - Data refreshes / User management and set up gateway data refresh.
- Experience in implementing physical data model (Databases, Schema Tables, Views & Virtual Data Warehouse)
- Good knowledge of Normalization/De-normalization, data design methodology and building Referential Integrity.
- Highly proficient in creating database objects like tables, indexes, views, user defined functions, stored procedures, triggers, cursors, data integrity and constraints.
- Strong knowledge of Data Warehouse concepts and technologies such as ETL processes, dimensional modeling, Star and Snowflake Schemas, reporting tools etc.
- Good understanding of Database and Data warehousing concepts (OLTP & OLAP).
- Experience in working with ETL team on Data Migration using SQL, SQL Azure, Azure storage, Azure Data Factory, SSIS and PowerShell
- Expertise in TSQL, creating and using Stored Procedures, Views, User Defined Functions, implementing Business Intelligence solutions using MS SQL Server
- Strong development skills with Azure Data Lake, Azure Data Factory, Azure Storage Explorer, and Azure Databricks
- Experience with Azure transformation projects and Azure architecture decision making Architect and implement ETL and data movement solutions using Azure Data Factory (ADF), SSIS
- Experience in Developing Spark applications using Spark - SQL in Databricks for data extraction, transformation, and aggregation from multiple file formats for analyzing & transforming the data to uncover insights into the customer usage patterns.
- Experienced in data pre-processing and cleaning the data to perform feature engineering and performed data imputation techniques for the missing values in the dataset using Python.
- Experience leading teams and training different work groups on the use of different systems and helping with management of tasks.
- Skilled in project planning, risk assessment, and stakeholder communication.

TECHNICAL SKILLS

- Business Intelligence Tools: Power BI, SQL Server Reporting Services (SSRS), Excel, Alteryx, Snowflake, Google Analytics
- Cloud Platforms: AWS (S3, Redshift, Glue), Microsoft Azure (Azure SQL Data Warehouse, Data Factory), Google Cloud Platform (BigQuery)
- Databases: Microsoft SQL Server, Azure SQL DB, Azure Synapse, Azure Analysis Service (AAS), Azure SQL Data Warehouse, AWS Redshift, Snowflake, Oracle SQL Server
- Machine Learning: Regression, Classification, Clustering
- Statistical Analysis: Hypothesis Testing, Time Series Analysis, Predictive Modeling
- Programming Languages: Python, SQL, SAS
- Data Modeling and ETL: SSIS, Azure Data Factory, Data Bricks
- Data Governance and Compliance
- Financial Experience: Financial Data Modelling, Fintech, Revenue Cycle Management
- Data Warehousing Concepts and Best Practices: Kimball Dimensional Modeling
- Project Management Tools: Jira, Azure Devops, Smartsheet

WORK EXPERIENCE

Pacific Program Management

Sr Business Intelligence Analyst   **Jul 2024 – Present**

- Spearheading data analytics initiatives for multimillion-dollar construction projects, collaborating with cross-functional teams to identify key performance indicators (KPIs) and establish data-driven benchmarks.
- Managing data analytics projects to support construction planning, budgeting, and scheduling processes for high-profile clients.
- Collaborating with cross-functional teams to enhance data governance and ensure data quality.
- Collaborating with project managers to identify trends, risks, and opportunities, ensuring timely decision-making.
- Conducting root cause analysis for project delays, leading to process improvements and streamlined workflows.
- Creating predictive models for resource allocation, improving project planning accuracy.
- Collaborating with IT teams to optimize data warehouse infrastructure and ensure data integrity and security.
- Conducting ad-hoc analysis to identify cost-saving opportunities and enhance operational efficiencies across multiple construction projects.

Qualtech Systems Inc

Business Intelligence Consultant   **Jan 2023 – Apr 2024**

- Led our team of BI analysts to develop and maintain scalable BI solutions, including data warehousing, ETL processes, and reporting dashboards.
- Conducted training sessions and workshops to improve data literacy and promote a data-driven culture within the organization.
- Built custom queries/stored procedures in SQL to develop reports from Relational Database Management

Systems.
- Designed interactive dashboards using Power BI to analyze, summarize, and present insight from data as well as support client workflows.
- Designed SSIS Packages to extract, transform, load (ETL) existing data into SQL Server from different environments for the SSAS cubes and Configuring Email Alerts for unsuccessful completion of Scheduled Jobs
- Gathered requirements and prepared a blueprint of the reports and showcased all the visualizations for the look and feel of the reports.

Jumo

Data Modeling and Reporting Analyst   Oct 2021 - Nov 2022

- Engineered and maintained architecture facilitating the integration of Big Data, consolidating enterprise data across software and AWS cloud services.
- Evaluated existing database and created conceptual, logical, and physical data models and data flows.
- Developed data mappings, data extractions, and data transformations that support the organization's data warehouse environment.
- Teamed up with cross-functional teams to create customized reporting solutions catering to various stakeholders, including executive management, sales, and finance departments.
- Facilitated thorough analysis of financial transactions and market trends to inform product development and marketing strategies.
- Collaborated with cross-functional teams to create customized reporting solutions catering to various stakeholders, including executive management, sales, and finance departments using Power Bi and Excel

Microsoft Test Center - Techno Brain

Data Scientist   Oct 2020 - Jul 2021

- Carried out advanced data modeling, including collecting, cleaning, and analyzing large, structured, and unstructured data to extract meaningful insights by identifying patterns, trends, and correlations to inform decision making.
- Performed thorough testing and validation of models and supported various aspects of the business with data analytics by carrying out statistical modeling, building predictive models and leverage machine learning algorithms.
- Identified, assessed, and validated data sources and created automated collection processes, as well as assessing the effectiveness and accuracy of new data sources and data gathering techniques.
- Built predictive models and machine-learning algorithms and developed custom data models and algorithms to apply to datasets.
- Deployed, tested, validated, and maintained machine learning models in production by collaborating with data engineers and machine learning engineers.
- Conducted a sentiment analysis of customer feedback data, leading to an improvement in customer satisfaction scores.

Project Rite LLC

Business Data Analyst   Jan 2019 – Dec 2020

- Directed the integration of customer data into the Data Warehouse, collaborating with IT leadership and stakeholders to improve analytics and standardize reporting processes.
- Repurposed existing data sets to incorporate new features and analytics, expanding the use of analytics across the

organization.
- Researched and implemented new analytics methods to provide better metrics of employee performance and increase retention.
- Spearheaded the design and maintenance of Data Warehouse and BI platforms, enabling accurate historical data presentation and self-service BI capabilities.
- Coordinated cross-functional team efforts in requirement gathering, system design, and process optimization, while managing Agile scrum activities and data quality governance.
- Created interactive dashboards using Power BI, resulting in a reduction in time spent on manual presentation tasks for senior management.

Asoko Insight

Master Data Management Analyst   Feb 2016 - Dec 2018

- Supported the development and maintenance of data governance policies, procedures, and documentation to guarantee adherence to regulatory requirements and industry standards.
- Assisted in the identification and documentation of critical data elements, data flows, and data lineage to improve transparency and accountability in data management processes.
- Facilitated data governance meetings, workshops, and working groups to drive consensus on data governance issues, priorities, and initiatives.
- Collaborated with IT teams to implement data governance tools and platforms, supporting data profiling, data quality assessment, and data remediation efforts.
- Conducted data quality assessments and audits to identify data quality issues, root causes, and remediation strategies, driving continuous improvement in data quality and governance practices.

Circuit Business Systems

Master Data Analyst / Business Intelligence Analyst   Jan 2014 - Dec 2015

- Instituted the full lifecycle of data analysis projects, ensuring the accuracy and integrity of data extraction, transformation, and analysis from multiple sources for reporting purposes.
- Orchestrated comprehensive data modeling and analysis to uncover trends and patterns, applying statistical methods to validate results and support business decision-making.
- Partnered effectively with cross-functional teams, including IT, Supply Chain, and Finance, to align data insights with operational strategies and objectives.
- Validated data integrity within Oracle and SQL Server databases by verifying information accuracy, troubleshooting discrepancies, and ensuring proper data formatting and timeliness for end use.
- Led data cleaning and normalization processes, improving data accuracy by 20% and enabling more reliable data presentation.

Medics To Africa (NGO)

Monitoring and Evaluation Assistant   Jan 2013 – Dec 2013
- Analyzed stakeholder feedback to develop and implement solutions addressing project challenges.
- Managed and optimized the Project Monitoring and Evaluation System to enhance project effectiveness.
- Prepared and delivered comprehensive project documents to key internal and external parties, ensuring accountability and informed decision-making.

EDUCATION

Kampala University
Bachelor of Project Planning and Management

CERTIFICATIONS

• Power BI Data Analyst Associate - Microsoft
• Business Intelligence and Data Analyst BIDA™ - Corporate Finance Institute
• SAS Certified Base Programmer for SAS 9 (CBP) – SAS Institute