

Andiswa Nonhlanhla Matai

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PROFESSIONAL SUMMARY

Senior Data Engineering and Analytics Leader with 9+ years of experience delivering enterprise-scale data platforms, analytics, and regulatory reporting across banking, capital markets, government, and private sector organisations. Proven ability to lead high-impact data initiatives, modernise legacy platforms, and translate complex data into strategic insights for executives, risk committees, and regulators.

Recognised for bridging the gap between technology, operations, and business strategy, with deep expertise in cloud data platforms (AWS, Azure, GCP), financial operations analytics, and governance-driven reporting.

CORE TECHNICAL SKILLS

Data Engineering: ETL/ELT, Data Pipelines, Data Modelling, Data Quality, Reconciliations

Cloud Platforms: AWS, Azure, GCP

Databases & Warehousing: SQL Server, Redshift, BigQuery, Snowflake

Programming: SQL, Python, Scala

BI & Analytics: Power BI, Tableau, Looker, DAX, KPI Design

DevOps & Automation: GitHub, CI/CD, Terraform, Airflow

Business: Stakeholder Engagement, Executive Reporting, Regulatory Reporting

PROFESSIONAL EXPERIENCE

Senior Data Engineer - Global Markets

Rand Merchant Bank (RMB) | Mar 2025 – Present

- Designed and implemented enterprise-scale ETL pipelines using SQL, Python, and cloud-native services to support Global Markets operations (Bonds, FX, Money Markets, Collateral, Custody).

- Built analytics-ready data marts and reporting datasets used for reconciliations, settlements, penalties tracking, and regulatory reporting.
- Automated T+0 and T+1 operational reporting, reducing manual reconciliation effort and improving reporting timeliness.
- Developed data quality controls, exception reporting, and monitoring dashboards to improve audit readiness and data reliability.
- Integrated data from multiple source systems (Murex, Intellimatch, operational platforms) into the enterprise data platform.
- Partnered with operations, finance, risk, and analytics teams to deliver scalable and compliant data solutions.
- Tools: SQL, Python, Power BI, Cloud Data Platforms, ETL, Data Modelling

Senior Data Engineer

Ison Xperiences | Jun 2024 – Mar 2025

- Designed cloud-native data architectures across AWS and Google Cloud Platform, aligning with enterprise security and governance standards.
- Built and orchestrated ETL pipelines using Informatica, Airflow (Cloud Composer), and Dataflow, supporting batch and near-real-time ingestion.
- Developed AWS-based ingestion pipelines using S3, Glue, Lambda, and Athena for enterprise analytics use cases.
- Implemented Azure Data Factory (ADF) pipelines for structured data ingestion and transformation from SAP and operational systems.
- Optimised BigQuery and Snowflake-style data warehouse models, improving query performance and cost efficiency.
- Delivered executive and operational dashboards using Looker and Power BI, supporting leadership decision-making.
- Provided technical leadership and mentoring on ETL design, cloud data platforms, and SQL performance optimisation.

Tech Stack: AWS, Azure, Informatica, Airflow, SQL, Python, Power BI

Senior Data & Information Specialist

National Treasury (South Africa) | Jan 2023 – Jun 2024

- Designed and implemented a Treasury Enterprise Data Mart using SQL Server, SSIS, and Azure SQL, integrating expenditure, revenue, HR, and procurement data.
- Built SSIS and Informatica-style ETL workflows to automate data ingestion, validation, and transformation from multiple government systems.

- Migrated legacy reporting processes to Azure-based data platforms, leveraging Azure Data Factory and Azure SQL Databases.
- Automated financial reconciliations and debt reporting using Python, SQL, and SSIS, reducing manual effort by 60%.
- Developed Power BI dashboards for compliance, audit readiness, and executive oversight.
- Implemented data governance, validation rules, and audit trails, reducing audit preparation time by 35%.

Tech Stack: Azure (ADF, Azure SQL), SSIS, Informatica, SQL, Python, Power BI

Business Intelligence Analyst
Arena Holdings | Jan 2022 – Jan 2023

- Built BI and analytics pipelines using SQL Server, SSIS, and cloud-hosted data sources.
- Integrated marketing and sales data into AWS-hosted reporting datasets for performance analytics.
- Built an Advertising Performance Dashboard integrating Google Ads, GA360, and Salesforce.
- Reduced reporting turnaround from 2 days to under 2 hours.
- Improved ad yield by 15% through data-driven optimisation insights.
- Developed subscription funnel dashboards and churn models, reducing subscriber loss by 12%.

Tech Stack: SQL Server, SSIS, AWS, Power BI, Google Ads, GA360

Business Intelligence Analyst
GUUD Mobility | Jan 2021 – Dec 2021

- Designed enterprise BI solutions using Power BI, SQL Server, and SSIS.
- Built Azure-hosted data models using Azure SQL and Managed Instances.
- Developed ETL workflows using SSIS and Informatica-style transformations.
- Delivered executive dashboards aligned to business KPIs and operational metrics.

Tech Stack: Azure SQL, SSIS, SQL, Power BI

Data Analyst**Experian South Africa | Mar 2018 – Dec 2020**

- Led the migration of on-premises SQL Server data warehouses to AWS.
- Built ETL pipelines using AWS Glue, Lambda, Step Functions, and Informatica.
- Developed SSIS packages to support hybrid on-prem and cloud data integration.
- Created analytics and compliance dashboards using Amazon QuickSight and Power BI.
- Implemented data security, IAM, and encryption standards for regulatory compliance.

Tech Stack: AWS (S3, Glue, Redshift), Informatica, SSIS, SQL, Power BI**Quality Assurance Officer****Compuscan | Mar 2016 – Feb 2018**

- Led call centre QA operations and KPI monitoring.
- Implemented process improvements increasing productivity and SLA compliance.

Environmental Scientist**Stats SA/ Jan 2015 – Mar 2016**

- Collected and analyzed environmental data for research projects
- Did research and provided recommendations to prevent and control pollution
- Prepared technical reports and presentations for stakeholders.

Principal Research Officer**Komatiland Forest / Jan 2014 –Dec 2014**

- Managed Lab operations and plant production experiments.
- Coordinated research activities and field trials.
- Analyzed experimental data and presented findings.

CAREER HIGHLIGHTS

- Built analytics-ready data marts and warehouses enabling Global Markets reconciliations, settlements, penalties tracking, and regulatory submissions in a Tier-1 bank.
- Automated financial and operational reconciliations, reducing manual processing effort by up to 60% and improving reporting accuracy and timeliness.
- Delivered executive, regulatory, and operational dashboards using Power BI, supporting decision-making for senior leadership, risk committees, and auditors.
- Modernised legacy and on-premises data platforms by migrating to AWS and Azure cloud architectures, improving scalability, resilience, and cost efficiency.
- Implemented data quality controls, audit trails, and governance frameworks, improving audit readiness and reducing audit preparation time by up to 35%.
- Mentored and coached junior data engineers, BI analysts, and analysts on SQL, cloud data engineering (AWS & Azure), ETL development (SSIS & Informatica), and Power BI best practices, strengthening team capability and delivery standards.

EDUCATION

- BSc Forestry & Wood Science – University of Stellenbosch
2009 – 2013

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (2024)
- Advanced Diploma: Data Science & R (2023)
- Microsoft Power BI Diploma (2022)
- Data Analysis with Python (2021)
- Cost and Management Accounting NQF Level 5
- Generic Management NQF Level 6
- MySQL & Statistics for Data Analysis (2021)
- Project Management Diploma (2020)

- GDPR & POPIA Compliance (*2019*)
- Advanced Excel (*2017*)