Sibusiso *Mahlangu*

Head of Data Management in Aviation · Founder, Mahlangu Elites · Gauteng, South Africa

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PROFILE

A South African Data, AI and Technology leader working across enterprise data management, analytics, artificial intelligence, software development and digital transformation.

My role sits between business strategy, enterprise technology and execution. The objective is not simply to produce reports. It is to create the data foundations, platforms, governance and capabilities that allow an organisation to make better decisions. Alongside leadership, I still build: through Mahlangu Elites I develop applications, run AI-assisted development workflows and work with data platforms.

CAREER

TODAY

Head of Data Management
Leading the data team across BI, data engineering and Power Platform in safety-critical aviation, while exploring how AI can become a practical enterprise capability.

Risk BI Strategy
At FNB I led the Risk BI strategy as Business Intelligence Manager, running BI and customer screening teams on Teradata.

Leading Analytics Teams
I managed Standard Bank's Affluent Portfolio analytics team, delivering dashboards, forecasting and clustering models for executives.

Analytics & Automation
As a Senior Analyst at Standard Bank I built data pipelines and automated reporting, cutting manual effort by up to 40%.

BI Development
I started in business intelligence as an intern at Standard Bank, then built Qlik and Power BI solutions for enterprise clients at Entelect.

Teaching Mathematics
After my BSc I taught Grade 10 and 11 Mathematics, learning to explain complex ideas clearly and simply.

FOUNDATION

BSc Applied Mathematics
A quantitative foundation that continues to influence how I approach data, technology and complex problems.

EXPERTISE

Data Leadership. Data strategies, operating models, roadmaps and teams that connect technology investment with organisational priorities.

Data Management & Governance. The structures that make enterprise data trusted, usable and accountable.

Analytics & BI. Power BI, executive dashboards, KPI frameworks, DAX and reporting automation.

Data Engineering. SQL Server, T-SQL, ETL, SSIS, data warehouses, pipelines, APIs and Azure SQL.

Artificial Intelligence. Enterprise AI strategy, AI governance, agentic workflows, private and self-hosted AI, and data sovereignty.

Software & Digital Products. Flutter and Firebase apps shipped to the App Store and Google Play.

TRAINING

I still teach. I run training on data, analytics and AI, helping teams move from curiosity about new tools to using them well, and responsibly, in their everyday work.

RECOGNITION

Winner, Credify System Thinking Challenge 2026 · AI & CYBERSECURITY · OCTOBER 2026
SafeLane AI Gateway sits between staff and AI tools, so the safe way to use AI is also the easiest: approved-tool checks, redaction of ID, card and account numbers, human review of high-risk requests and a tamper-evident audit log. The judges singled out the evaluation discipline: a held-out test set written before any improvements, with results they reproduced independently.

SELECTED PRODUCTS · MAHLANGU ELITES

Morabaraba. The traditional African strategy game as a modern app: 16 AI opponents from 400 to 3000 ELO, ranked online play and tournaments. 10K+ installs on Google Play, rated 4.7.

Vowel Thief. A daily word puzzle built on a validated content pipeline that filters a 370,000-word dictionary down to about 9,000 fair words. Live on the App Store and Google Play.