

# Ntokozo Ntombela

Data Engineer | ICT Graduate Durban, South Africa | [ntombelan098@gmail.com](mailto:ntombelan098@gmail.com)

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## PROFESSIONAL SUMMARY

ICT Graduate specializing in **Data Engineering** and **Cloud Analytics**. Proven ability to build end-to-end data systems using **Python, SQL, Azure, and Databricks**. Transitioning from software engineering with a focus on creating scalable, secure, and self-healing ETL pipelines.

## TECHNICAL SKILLS

- **Languages:** Python, SQL, C#, Java, Bash/Shell Scripting.
- **Data Engineering:** ETL/ELT Automation, Medallion Architecture, Data Warehousing, Web Scraping.
- **Cloud & Big Data:** Azure Data Services, Databricks, Apache Spark (PySpark), Delta Lake, Render.
- **Tools & Frameworks:** Pandas, SQLAlchemy, Flask, Docker, Git/GitHub, Linux (CLI).

## FEATURED PROJECTS

### DevPulse: Real-Time Job Market Tracker | Full Stack Data Engineer

- Built an automated ETL pipeline that fetches live job data from an API, cleans it, and uses NLP/Regex to extract 20+ tech skills. Designed a relational database with SQLAlchemy and deployed a Flask dashboard on Render to visualize real-time skill demand.

### Databricks Medallion Sales Pipeline | Cloud Data Engineer

- Designed a Lakehouse architecture using **Databricks, Delta Lake, and PySpark** to process large-scale sales data. Implemented a Bronze (Raw) → Silver (Cleaned) → Gold (Aggregated) workflow, ensuring production-ready data quality.

### Automated Data Extraction Engine | Python Developer

- Engineered a robust scraping engine using Requests and BeautifulSoup to handle pagination and messy HTML structure. Automated the data collection process, normalizing currency formats and structuring data for seamless database ingestion.

## EDUCATION & TRAINING

### Bachelor of ICT | Durban University of Technology (Graduated: 2025)

## CERTIFICATIONS

- **Data Engineering:** IBM Spark Fundamentals I (Nov 2025)
- Databricks for fundamentals (Nov 2025)
- **Cloud:** Microsoft Azure Data Fundamentals DP-900 (2025)

## REFERENCES

- **MR Msimango** | teacher | +27 76 919 7419