NTSAKO NGOBENI

DATA ENGINEER

LEVEL: Senior

AVAILABILITY: 1 Calendar Month

EXPERIENCE: 5 Years

LOCATION: JHB / Hybrid

EDUCATION

Bachelor of Science (BSc) in Computer Science and Information Systems, University of South Africa, 2015

INDUSTRIES

Financial Services
publication platform
Payments

- Ntsako Ngobeni is a seasoned Data Engineer with 5 years of experience.
- Holds a Bachelor of Science (BSc) in Computer Science and Information Systems from the University of South Africa.
- Worked as a Senior Data Engineer at Cenfri, Cash Connect South Africa, and 24.com, and a Systems Developer at Statistics South Africa.
- Demonstrated capabilities in data engineering, including building secure data infrastructures, designing data solutions, developing data pipelines, and business intelligence.

CAREER CHRONOLOGY

Cenfri, Senior Data Engineer
Jan 2022 – Current

Cash Connect South Africa, Senior Data Engineer
Apr 2020 – Dec 2021

24.com, Data Engineer
Aug 2019 – Mar 2020

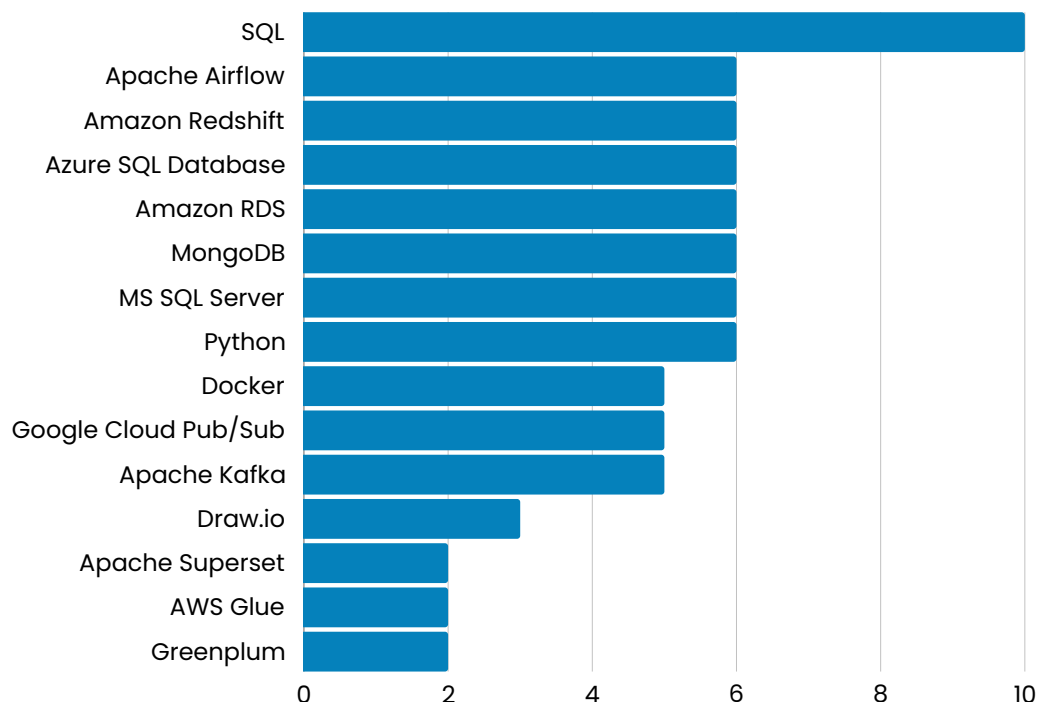**Yoco Technologies, Data Engineer**
Jan 2018 – Jul 2019

Statistics South Africa, Systems Developer
Dec 2016 – Dec 2017

University of the Witwatersrand, Data Specialist
Jun 2012 – Jun 2016

SKILLS MATRIX

Skill	Rating
SQL	10
Apache Airflow	6
Amazon Redshift	6
Azure SQL Database	6
Amazon RDS	6
MongoDB	6
MS SQL Server	6
Python	6
Docker	5
Google Cloud Pub/Sub	5
Apache Kafka	5
Draw.io	3
Apache Superset	2
AWS Glue	2
Greenplum	2

EMPLOYMENT DETAILS

Cenfri,
Senior Data Engineer
Jan 2022 – Current

TOP TECHNOLOGIES USED

- Apache Airflow
- PostgreSQL
- AWS
- SQL
- Data Analysis
- Database Design
- Python
- Data Warehouse Design

Client: Mastercard Foundation
Project Description: The Centre for Financial Regulation and Inclusion is a non-profit think tank that supports financial sector development and financial inclusion in Africa

Responsibilities:
- He works as part of the Mastercard Foundation team to help digitize the economy of Rwanda, my main duty is to build secure data
- infrastructures to house data from different government institutions, and the private sector, sync data across different servers
- Work with analysts to structure data to fit analysis, stakeholder consultations, help institutions to optimize their infrastructure, capacity building and helping out with analysis

Cash Connect South Africa
Senior Data Engineer
Apr 2020 – Dec 2021

TOP TECHNOLOGIES USED
- PostgreSQL
- Amazon Redshift
- Amazon EC2
- AWS
- Apache Airflow
- Python
- Power BI
- SSRS
- Jira
- Git
- Microsoft SQL Server
- AWS VPC
- Slack
- Microsoft Teams
- SAP Data Services
- Amazon S3

Client: Connected
Project Description:
Cash Connect is part of a group of companies called Connected, Dealing with Cash risk management, by making use of Smart Safes which are transmitting cash transactions and safe interaction data as they happen

Responsibilities:
- He was hired to be the first data person to form a data department as a Lead Data Analyst/Engineer (Remote) with main tasks broken as:
  - Recommend data warehousing solutions
  - Design Data Solutions
  - Create data infrastructures
  - Implement a reporting platform
  - Implement solutions to import data from SAP into operational systems and Data warehouse
  - Automation of current data-sourcing processes
  - Working with the Software Engineering team in suggesting models that will also ease the storage of data and extracting for data warehousing
  - Business Intelligence and Reporting

- Data Analysis Focus:
  - Create reports for operational teams
  - Optimize existing reports and queries
  - Adhoc requests for Data Support Agent for clients and in-house teams (Exercise that helps in getting to know people and what they need and also how clients interact with the applications and what their common issues are)

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EMPLOYMENT DETAILS

24.com
Data Engineer
Aug 2019 – Mar 2020

TOP TECHNOLOGIES USED
- Kubernetes
- Python
- SQL

Responsibilities:
- He is working primarily within the Google Cloud Environment using a variety of the tools that Google offers from Biquery and Dataproc to Kubernetes and AI Hub.
- Python and SQL as major dev tools.
- Build data pipelines using various tools that include Google Cloud Composer (Airflow), Data Transfer/Data Flow, and PubSub
- Batch Jobs, Data Streaming, Consuming API and in a nutshell building and maintaining scalable data products
- He is part of a Data team that works in an Agile environment
- He works closely with Data Scientists
- Contribute to low-level solution design workshops with fellow team members during whiteboard sessions
- Work closely with peers in the business to fully understand the business process and requirements

Yoco Technologies
Data Engineer
Jan 2018 – Jul 2019

TOP TECHNOLOGIES USED
- Amazon Redshift
- AWS
- Python
- Data Analysis
- Apache Airflow Tableau
- Agile
- Trello
- Slack
- PostgreSQL
- SQL
- Data Warehouse Design

Responsibilities:
- He is part of Yoco's Operations Scalability team, with the primary goal of answering business questions through data, their customers being
- Marketing, Finance, Operations, strategy, leadership, risk teams
- Develop Data Pipelines
- Data warehousing and Data Infrastructure
- Business Intelligence
- Developing internal platforms to enable data visibility to the entire team in a simple and useful way
- Developing and maintaining the data warehouse, and storing all data in the same place, transforming the source data into standardized tables
- Supporting sophisticated predictive analysis using data transformation techniques
- Ensuring the accuracy and consistency of data captured across the app, mobile, and web platforms and taking steps to solve any issues encountered
- Supporting with the technical back-end delivery for key projects and within the domains of business intelligence and data science
- Managing and maintaining cloud services and integrations that perform key data functions

EMPLOYMENT DETAILS

Statistics South Africa
Systems Developer
Dec 2016 – Dec 2017

TOP TECHNOLOGIES USED
- C#
- .NET
- Microsoft SQL Server
- TFS
- SSRS
- SSIS
- C#/VB
- MSQ Server
- TFS
- Visual Studio
- CRM
- SharePoint

Responsibilities:
- Develop, maintain and run update procedures on databases from external sources
- Develop, maintain and extract procedures on databases and existing applications to provide to users
- Participate in the design of applications and relational databases
- Develop and Test applications
- Develop user manuals and train users on applications
- Provide user support and maintenance of existing projects

University of the Witwatersrand
Data Specialist
Jun 2012 – Jun 2016

TOP TECHNOLOGIES USED
- Microsoft SQL Server
- C#
- .NET
- Windows Forms
- PlanetGIS

Responsibilities:
- Data managing for research projects where we design data entry
- Quality control and progress reports
- He also did data extractions, data analysis and managed data entry clerks