Johan 'Jojo' Khanye

Professional Goals

I aim to become one of the greatest CTOs South Africa has ever produced. In the moment, I'm looking for a position in the field to expose me to new tech, work culture and management skills. I hope to create software to inspire the youth.

Get in touch!

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Tools Experience

- Python, JAVA, JavaScript, Apache Spark, Apache Airflow, SQL, Machine learning, Google cloud, Microsoft Azure, REST APIs, GraphQL, IBMI AS400, DB2, HTML, CSS, Bootstrap, Apache Hadoop

Other tools

- Github and Git workflow, Curl, Bash, Linux systems, Django, problem solving, Facilitator background(communication), Human Centered design, Agile framework and Scrum. Trello, Jupyter and more

Education/Courses

Umuzi Academy
Data Science | Python programming

- National Certificate in information Technology (System Development)
NQF 5

Data Camp
Scholar | Anything and everything Python & Data engineering

- Python for Data Science
- Python Data Science toolbox

Work Experience

Junior Data Engineer
Telesure Investment Holdings. | Sept 2020 - March '21(internship) | March 2021 - Present(Permanent)

- I work alongside the organisation's Data and Analytics department to develop and maintain data pipelines and ML models using a variety of tools, including but not limited to the Microsoft Azure suite, Airflow, the Agile Manifesto and Scrum.

Junior Data Scientist
Umuzi photo club | Feb 2019 - Sep 2019

- During my time at Umuzi, I identified data-analytic problems that offered Umuzi the greatest opportunities, explored the problems and then assist Umuzi take data-driven decisions and/or build & deliver useful machine learning models.

Consultant Data Scientist(Contractor)
CSIR | Nov 2018 - Feb 2019

- During my contract period at the CSIR, myself and my team were responsible for wrangling big electricity usage data for the eKurhuleni municipality, visualising the data in proper and sensible manner to get insights. Upon the completion of data exploration, we developed a ML Model to identify usage anomalies for different households, the model also accounted for electricity theft.

Projects

Aqueduct

Collect data stored in all sorts of formats, in a number of locations and store it in a harmonized way, allowing both structured and otherwise data to be stored in one table properly. allowing us to have a source of truth table.

AdvanceIO - Smart electricity metering

Collect Big data collected by smart electricity meters in the eKurhuleni municipality, Classify different usage patterns for different users, create a model to identify users, anomalies and electricity thieves.

Recruitment Portal

As a skills development agency, Umuzi was getting a lot of applications, so we created the recruitment portal a web app for aspiring Umuzicians to apply from, with use of Python, JavaScript and PostgreSQL, we were able to Automate a lot of steps needed before an applicant could be considered, including but not limited to aptitude tests and communication. The product also made it easier for applicants to keep track of their applications.

What's Next?

I am currently upskilling on Azure cloud services for the AZ900 exams, Azure certification.