Luyanda Mncube

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EDUCATION

UNISA
Bsc CompSci & Mathematics
Ongoing | South Africa, JHB

WETHINKCODE
Software Engineering
2019 | Johannesburg CBD, JHB

NORTHCLIFF HIGH SCHOOL
2011| Northcliff, JHB
4 Distinctions, 9 subjects

LINKS

https://github.com/luyandamncube
https://linkedin.com/in/luyandamncube

COURSEWORK

UNDERGRADUATE
Programming (C++/Qt)
Theoretical Machines
Formal Logic
Algebra
Linear Calculus

WETHINKCODE
Unix Tools and Scripting
C, POSIX
Algorithms & Game AI
Signals & IO
Functional Programming
Predictive Analysis
Regression Modelling

CERTIFICATION

MCSA: Database Development
Certified SAFe ®Agilist
Certified Foundation TEFL

PROGRAMMING

Big Data/Hadoop ecosystem:
• Apache NiFi • Jolt
Databases:
MS Azure • CosmosDB
Languages:
C • C++ • C# • TSQL
Scripting:
Python • Linux shell scripts
Technologies:
Ansible • Docker

PERSONAL SUMMARY

I am a Professional Software Engineer with 2 years of industry experience including around 1 years of experience in Big Data technologies. Expertise in NiFi development experience, automation tools and E2E life cycle of software design process. Outstanding communication skills, dedicated to maintain up-to-date IT skills and industry knowledge.

I currently work as a Data Engineer at Dimension Data, as part of the Race Center Team. The team is responsible for delivering real-time analytics, data warehousing, monitoring and support to NTT, the official technology partner of The Tour De France.

I am a also student, completing my Bsc Computer Science & Mathematics degree part-time with UNISA, with which I intend to complete in 2022. In addition, I attended, WeThinkCode, a school based on 42 (the tuition-free computer programming school created and funded by French billionaire Xavier Niel and partners). All my work and project can be viewed on my personal github.

EXPERIENCE

DIMENSION DATA IW | Data Engineer
Feb. 2020 - Present | Bryanston, JHB
- Worked extensively within Apache NiFi ecosystem to capture real-time and near-real-time data streaming from various sources.
- Worked with different file formats like Json, AVRO, Jolt and compression techniques like gzip.
- Developed maintainable, efficient batch/stream analytics features in SQL, Apache NiFi, and Python.
- Provided live race-day support & troubleshooting data streams for various live races including but not limited to UCI World Tour (Tour De France & Paris–Roubaix) and UCI esports (Zwift)

BRITEHOUSE | Software Development Intern
Feb 2019 – Jan 2020 | Bryanston, JHB

- 1-year intensive program aimed at grooming industry-leading talent. This mandated us with developing the "2020 Graduate Program", shaping the future of the program and it's goals whilst focusing on learning & development through project-based work.
- Developed Britehouse Automeated Onboarding presentation layer using ReactJS. Validation using Formik
- Developed 4IOTAnalytics Retail Analytics POC for customer counting and footfall insights based on data integration points.
- Developed 4IOTAnalytics Retail Analytics admin portal presentation layer using Razor, HTML, CSS.

KEY SKILLS & COMPENTENCIES

- Ingest data from real-time sources to NiFi and perform ETL operations on it.
- Improving data quality, reliability & efficiency of the individual components & the complete system.
- Knowledge of Software Engineering best practices with experience in implementing CI/CD, logging in production environments.
- Strong communication skills, including ability to convey analytics insights effectively to both IT and business audiences.