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NOMCEBO NGWAMBA

MEDIA DATA ENGINEER | LINK TO OTHER ONLINE PROPERTIES: PORTFOLIO/WEBSITE/BLOG

ACCOMPLISHMENTS

Jasco- Designed processes for troubleshooting and project hand-over for a team of 8 Engineers

SABC- Started Information sharing Initiatives in Broadcasting that led to 50% of staff members developing interest in acquiring skills of the future.

Automated processes using XML scripting

CERTIFICATES

Rohde & Schwarz: Digital Television Technology (DTT)
SACIA: IP Networks for Broadcast Professionals
Microsoft Professional Program: Data Science

SKILLS

Python language
Sci-Kit Learn

EXPERIENCE

MEDIA DATA ENGINEER • SABC • 2014 – PRESENT

Performing analysis of platforms and content using Python libraries such as Pandas, Numpy, Seaborn, StatsModels etc, and compiling reports with Power BI.
Automated tasks in python language
Maintaining close working relationship with clients to ensure optimal delivery on clients' requirements.
Compiling professional feedback reports to answer business questions based on raw data.
Performing ETL on unstructured data to provide insights for TV and Radio platforms and content using big data tools.
Experience with SQL and No-SQL databases
Built Streaming services for real time processing of multiple users using Python and Flask
Improved performance of existing ETL processes and SQL queries for weekly CRM summary data
Adhering to project scopes, outlines and recommendations.
Applied data management policies, procedures, and standards

COMMISSIONING AND SUPPORT ENGINEER • JASCO • 2012 – 2014

Worked closely with clients and stakeholders to identify and analyse core processes and workflows.
Provided support for data centre Linux and Solaris servers
Documented processes for easy troubleshooting.
Developed clear and detailed business requirements.
Maintained all backbone equipment, links and services for leading mobile network operators
Successfully completed research and presented on digital terrestrial transmission (DTT).

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NOMCEBO NGWAMBA

Pandas
Matplotlib
Matlab
Artificial intelligence
Natural Language Processing
Deep Learning
SQL programming
Machine Learning
Keras
TensorFlow
SpaCy
XML
HTML

Supported project managers with technical and functional specification documentation.
Supported and configured network devices (Cisco, Juniper, Aruba)
Interacted with various project stake holders to understand project requirements.
Gained exposure to networking protocols such as NTP, DNS, HTTP, SSL and TCP

QUALITY ASSURANCE ENGINEER • REGENERSIS • 2011 – 2012
Analysed fault reports to determine whether the correct repair procedures were being followed.
Supervised a team of 6 quality assurance technicians and successfully improved weekly targets by 20%.

EDUCATION

BSC HONS: IT AND COMPUTING • 2020 • UNIVERSITY OF DERBY

Cyber Security and Ethical Hacking
Computing Technologies in Society
Software Engineering: Creating Quality Products
Network Management and Security
Research Project

BTECH: ELECTRICAL ENGINEERING • 2015 • UNISA
Computer Networks 4
Mathematics 4
Industrial Project 4
Electronics 4

NDIP: ELECTRICAL ENGINEERING • 2011 • UJ

NOMCEBO NGWAMBA

Mathematics 1-3
Computer Networks 2-3
Electronics 1-3
Industrial Projects 3

VOLUNTEER EXPERIENCE OR LEADERSHIP

Elected by Division as a **Strategy and Architecture Contributor to:**
Research and develop an enterprise technology architecture solution for the SABC.
Ensuring alignment of the enterprise technology architecture solution with business design and drivers.
Manage the alignment of the SABC technical architecture with the technical strategy.
Manage the specifications of all projects that interface and/or impact on the enterprise technology architecture.
Advise on the interoperability, extensibility and integration of the various solutions implemented.
Set appropriate technology standards, specifications and technology policies.
Inform business of technology risks.
Prepare and present technology information sessions to SABC business where applicable.