



XOLANI NKABINDE

DATA ANALYST AND SYSTEMS ENGINEER

Johannesburg, South Africa 2000 | Nkabindex1@email.com | +27 68 287 0976 | No Criminal Record | Code 10 | Healthy

CAREER OBJECTIVE

Driven data analyst and systems engineer equipped with a computer science degree and cloud certifications. I bring over two years of proven expertise in data analysis and application development, specifically in cyber security and criminal investigations. Proficient in constructing ETL pipelines, software, and reports. I possess a deep passion for software development and data analysis, aiming to contribute positively to companies through code. Eager to contribute to a dynamic team and make a meaningful impact within the organization.

CORE STRENGTHS

- Software technical support (Maintenance, Upgrades, etc.) | Active Directory, Exchange
- Languages | C#, Python, Java etc
- Data Analysis | SSRS, SSIS, SSAS, PowerBI, Jupyter Notebook
- Data engineering (SQL, T-SQL, Python, pyodbc)
- Data Visualisation | PowerBI, SSRS (Report Server), Matplotlib, Seaborn
- IDE | VSCode, Visual Studio, PyCharm
- Machine Learning | Neural Networks, Logistic Regression etc
- Frameworks | Object Oriented Programming, SOLID
- Front-end: Flask, HTML and /CSS, JQUERY
- Scripting and automation (PowerShell, Python)
- Software Deployment (IIS)
- Linux, Windows
- Networking

PROFESSIONAL EXPERIENCE

Data and Systems Developer, SARS, March 2021 till Date.

- Collect and collate data, analyze information and provide reports and recommendations on suspicious activities
- Gather data of processes, systems and performance to facilitate trend analysis and improvements, assist in resolution identification.
- Communicate situational interpretation and judgement of work outputs and queries in fraud investigations.
- Apply practical and applied knowledge and act authoritatively on methods, systems and procedures to identify trends and potentials risks
- Undertake information gathering and analysis of data within set guidelines to report information to business
- Monitor and detect anomalous behavior on digital platforms, by maintaining a register of fraud case, to track accountability, status of progress and resolution of a cases
- Draw knowledge and experience to diagnose symptoms, causes and possible effects in order to solve emerging problems

- Ensure the integrity and quality of all data collected and identified
 - Gather data from multiple sources such as databases, APIs, flat files, and external systems, ensuring accuracy and completeness of data.
 - Clean, transform, and standardize data formats, structures, and values to align with the target database or data warehouse.
 - Ensure the availability of existing data analytics solutions (like reports, etc)
1. Design, develop, test, and maintain report management system (C# .NET Webforms). Monitor Webserver and related hardware and related software (SQL, Report Server etc.)
- Identify and resolve issues, perform root cause analysis, and provide technical support for systems and ETL-related problems.
 - Ensure compliance with data governance policies, data security, and regulatory standards while handling sensitive information.
 - Write clean, efficient, and maintainable code using programming languages such as C#, Java, Python, etc.

EDUCATION

B.Sc. in Computer Science and Informatics, November 2020 – UNIVERSITY OF JOHANNESBURG, Johannesburg.

PROJECTS

1. **Multi-class Text Email Classification using a Neural Network, Big Data and Machine Learning – Tech Stack: HTML, Flask, Python, Pandas:** Developed a Python-based neural network algorithm from scratch aimed at classifying emails into user-defined categories. Achieved a 64% accuracy rate in the classification process.
2. **e-Funeral Claims Management Apps**, Tech Stack: C# .NET, Android Studio - Developed a comprehensive C# .NET Webforms application that manages funeral claims, covering the entire process from claim registration to payout. This encompassed the creation of the website, APIs, and a mobile application.

CERTIFICATIONS

Certified Ethical Hacker, 2021, EC-Council

- **Microsoft Azure Fundamentals – AZ 900**, 2021, Microsoft

SKILLS

C#, .NET, Visual Studio, C/C++, Java, Python, PowerShell, Command-line interfaces, Task Scheduler, HTML, CSS, JavaScript, Git for version control, SQL and Data Management, Scripting, Cyber Security fundamentals, Remote support, and administration. Networking knowledge (TCP/IP, DNS, DHCP), IIS, SSIS, SSRS, SSAS, XML, SOA, WCF, WPF

REFERENCES

References can be provided upon request.