PATRICK NYANGOTO ORANGI

✉ patricknyangoto@outlook.com | ⊙ @nyangoto | 📱 +254702714195 / +254110011604

EDUCATION

Andela - Google Africa Developer Scholarship(Remote)
Cloud Engineering Track   ***2022 Cohort.***

ALX - Holberton   **San Francisco, California, USA(*Remote*)**
Software Engineering Bootcamp   *January 2021 - March 2022*

EXPERIENCE

The ROOM   **Nairobi, Kenya*(Remote)***
Technical Business Development Fellow   *April 2022 - May 2023*

As a Technical Business Development Fellow, I played a pivotal role in driving growth and fostering strategic partnerships by combining my technical expertise with business acumen. I worked closely with C-suite executives and leveraged my skills in data extraction, transformation, and loading (ETL) to deliver valuable insights and drive decision-making processes. Here are some key accomplishments and metrics from my role:

- Collaborated with the business development team to identify and target high-value prospects, resulting in a 50% increase in qualified leads within three months.
- Conducted market research and competitor analysis, providing crucial insights that informed the development of new products and services.
- Developed and implemented data extraction processes, resulting in a 30% reduction in data acquisition time and increased efficiency in accessing critical information.
- Leveraged ETL techniques to transform raw data into actionable intelligence, enabling senior executives to make informed decisions regarding product roadmap and resource allocation.
- Created customized dashboards and reports utilizing data visualization tools, such as Tableau and Power BI, to provide C-suite executives with real-time insights into key performance metrics.
- Collaborated with cross-functional teams to optimize data quality and integrity, leading to a 20% reduction in data discrepancies and improved decision-making accuracy.

PROJECTS

Data Analysis Dashboard ⊙ *Demo*   ***May 2023 - August 2023***
- **Objective:** Developed the Loan Income Analysis Dashboard to identify discrepancies in main and penal interest between the bank's loan book and auditor's recalculations. The project also aimed to unveil insights related to loan performance, loan aging, and revenue leakage from fees & commissions.
- **Intended End-Users:** Tailored for the bank's C-suite executives and top-level managers, providing them with concise and actionable insights crucial for strategic decision-making.
- **Tools & Techniques:** Employed a toolkit of Python, pandas, numpy, plotly, matplotlib, pyspark, and seaborn, seamlessly orchestrating data integration, manipulation, visualization, and analysis.
- **Dashboard Capabilities:** Crafted an intuitive Streamlit-powered dashboard, rich in dynamic visualization and a user-friendly interface. The dashboard conveys intricate financial insights and generates weekly reports for executives.
- **Upcoming Enhancements:** Currently integrating the application with the bank's database for real-time data streaming, propelling the project's evolution into a Software-as-a-Service (SaaS) solution.
- **Target Market:** With a clear focus on financial institutions, the project aligns with my commitment to innovative solutions that bridge technology and business intelligence. It serves as a testament to my dedication to driving tangible impact through technology.

Slack Bot AI Assistant ⊙ *Code*
- An AI-powered bot that drafts replies to emails in a pre-set context.
- Integrated into Slack which acts as its frontend, it's powered by the OpenAI API and Langchain Python library on the backend.
- It is deployed as an Azure web app.

Constitution of Kenya Custom Chat-GPT Plug-in ⊙ *Code*
- A chat-gpt plugin that lets you perform a semantic search on the constitution of Kenya and gives references for each result.
- C.o.K-2010 PDF serves as the datastore with its embeddings stored in a Pinecone vector database.

SKILLS

- Strong verbal and written communication
- Proficient in remote access tools.
- Ability to explain technical concepts to non-technical people.
- Proficient in software troubleshooting.
- Team player
- Compassionate
- Adaptable
- Organization

TECHNICAL SKILLS

- **Networking**
- **Programming Languages**: C / C++, Python, Ruby, Bash Scripting
- **Operating Systems**: Windows, Linux
- **Web Frameworks**: Django, Flask, Ruby on Rails.
- **Developer Tools:** Git, Docker, Selenium
- **Libraries:** pandas, NumPy, SciKitLearn, PySpark, Plotly
- **Databases**: PostgreSQL, SQLite
- **Cloud Technologies**: Google Cloud Platform, Azure.

LANGUAGES

English(Expert)   Swahili-Native