**FRANCIS JINGO**

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**SUMMARY**

As an adept data scientist and engineer with experience in the financial and telecommunication sectors, I offer expertise in analytics tools, programming languages, and data techniques. Confident in adding value to any team, I am eager to contribute my skills to innovative data projects, embracing challenges in evolving data analytics and machine learning domains.

**EDUCATION**

**EMORY UNIVERSITY – GOIZUETA BUSINESS SCHOOL** *July 2023 - May 2024*

Master of Science in Business Analytics (MSBA)

* Business Analytics, Machine Learning, Big Data Management, Social Network Analytics, Data Visualization

**CARNEGIE MELLON UNIVERSITY – SCHOOL OF ENGINEERING** *July 2020 - May 2022*

Master of Science in Information Technology (MSIT)

* Data Structures and Algorithms, Data Science & Analytics, Cloud Data Infrastructures, Augmented and Virtual Reality, Distributed Systems, Information Security, Stochastic Processes

**DATA SCIENCE PROJECTS**

* Conducted social network analysis to inform cross-selling strategies by identifying key influencers and customer connections.
* Developed a credit scoring model to assess creditworthiness, informing risk assessment and decision-making.
* Set up an automated reconciliation tool to quicken transaction reconciliation and easily identify potential fraudulent cases.
* Conducted sentiment analysis on customer reviews, leading to segmentation for product marketing and advertising initiatives.
* Designed ETL pipelines to enhance data readiness and optimize query efficiency for key business statistics.

**WORK EXPERIENCE**

**MTN MOBILE MONEY UGANDA**

***Manager, Insights & Analytics***  *September 2022 – June 2023*

* Developed and maintained reusable and secure insights, and data analytics solutions.
* Created, tested, and maintained data pipelines that are scalable, repeatable, and secure.
* Lead data insight projects like social network analysis which was a basis for customer segmentation and cross selling.
* Facilitated data sourcing, quality standardizing formats and speedy delivery and usability to downstream partners.

**ROHDE & SCHWARZ ASIA** *June 2022 - August 2022*

***Software Engineer***

* Improved Deep Packet Inspection library using C/C++, increasing efficiency and system confidence.
* Designed Python scripts for automation and Mobile Automation Framework reducing daily manual workload by 3 hours.
* Achieved service level delivery against the agreed business targets.

**CARNEGIE MELLON UNIVERSITY** *September 2021 - May 2022*

***Graduate Teaching Assistant***

* Graduate Teaching assistant for the data structures and algorithms course.
* Lead in all version designs, developments, implementations, and deployments of Gradescope.
* Organize recitations, office hours, code debugging and algorithm discussion sessions for students.

**ENGIE ENERGY ACCESS** *May 2021 - August 2021*

***Data Science Intern***

* Created analysis charts and visualizations based on findings from Mobisol data analysis.
* Pioneered data validation, analysis, and predictive modelling of the Miss First Payment project.
* Discovered insights and reduced client support resource utilization by 33%.

**CITI BANK** *March 2019 - August 2020*

***Electronic Banking Advisor***

* Implemented VBA scripts in excel to format payment details and enable bulk payment upload.
* Client onsite installation and Java troubleshooting of Citi-direct upgrades.
* Conducted client consultation surveys to improve the Citi-direct platform.

**STANBIC BANK** *July 2017 - February 2019*

***Software Developer***

* Set up automated extraction and mail delivery of statistical insights about product utilization.
* Built an auto-reconciliation tool for cash deposit machines reducing manual workload by 80%.
* Coordinated upgrading, testing, and deployment of the bank’s digital channel systems.

**COMPETENCIES**

* *Languages:* Python, SQL, R, Bash Scripting
* *Big Data Technologies:* Hadoop, Hive, Spark, Sqoop, Oozie, Neo4j
* *Cloud Tools:* AWS (EC2, EMR, RDS, Notebook), Azure (Databricks, Data Lake), GCP
* *Analytics Tools*: Excel, Tableau, Power BI, Google Looker Studio, Big Query, NoSQL, Git
* *Libraries:* NumPy, Pandas, Seaborn, Scikit-learn, Pyspark, Tensorflow, NetworkX, Tidyverse, PyTorch, NLTK
* *Techniques:* ETL design, data warehouse, machine learning, business analytics, predictive modelling, visualization, time series forecasting, fraud detection, healthcare analytics, human resource analytics, sports analytics.

**ADDITIONAL INFORMATION**

*\* Certificates*: AWS Cloud Development via Udacity, Harvard University certificate in R for Data Science via EDX

* *Portfolio*: jingof.github.io