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. Ability to analyze large amounts of data, clustering, and regression 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 *2024*
Master of Science in Business Analytics (MSBA)
- Business analytics, data science, big data management, data visualization, deep learning, people analytics.

CARNEGIE MELLON UNIVERSITY – SCHOOL OF ENGINEERING *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 big data ETL pipelines with Hadoop and EMR clusters to enhance data readiness and optimize query efficiency for key business statistics.

WORK EXPERIENCE

MTN MOBILE MONEY UGANDA *September 2022 – June 2023*
Manager Insights and Analytics
- 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 AND 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 grade-scope.
- 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