Favour Oyelami
Senior Senior Data Scientist

SUMMARY

Expert data scientist with a strong engineering background, encompassing advanced competencies in Machine Learning, Data Engineering, and Business Intelligence. Holds an MSc in Computer Science with over 5 years of experience innovating at technology firms such as Interswitch Group and Bluechip Technologies. Proven track record in driving business decisions through data, such as enhancing credit risk models leading to a 12% loan uptake increase and implementing a Transaction Classifier with a 98% success rate. Technically proficient in Python, SQL, and a suite of analytics tools and platforms including AWS services, Sagemaker, and Evidently AI. Demonstrated excellence in employing Machine Learning and DataOps methodologies for project success.

TECHNICAL SKILLS

Main Technical Skills	Python, SQL, PySpark, Risk Management
Programming Languages	Python
AI & Machine Learning	Amazon Machine learning services, AWS ML (Amazon Machine learning services), AWS SageMaker, AWS SageMaker (Amazon SageMaker), OpenAI, Pinecone
Python Frameworks	Flask
.NET Platform	Identity Server
Python Libraries and Tools	PySpark, Streamlit
Data Analysis and Visualization Technologies	Apache Airflow, AWS Athena, Data visualization, Power BI
Databases & Management Systems / ORM	ChromaDB, Microsoft SQL Server, SQL
Amazon Web Services	AWS Athena, AWS Bedrock, AWS EC2, AWS EMR, AWS Glue, AWS ML (Amazon Machine learning services), AWS Quicksight, AWS S3, AWS SageMaker, AWS SageMaker (Amazon SageMaker)
Azure Cloud Services	Azure App Service, Azure Blob Storage, Azure DevOps

Google Cloud Platform	Cloud Functions
Web/App Servers, Middleware	Apache HTTP Server
Version Control	BitBucket, Github Actions
Third Party Tools / IDEs / SDK / Services	Excel, Visual Studio
Deployment, CI/CD & Administration	Jenkins
Other Technical Skills	RDS

WORK EXPERIENCE

Senior Data Scientist, Credit Scorecard Development

Duration: April 2024 – Present

Summary: Led the development of a rule-based scorecard using customer loan and transaction features to categorize users by credit and transaction behavior.

Responsibilities: Developing scorecard, enabling informed decision-making for Product and Risk teams, and increasing loan uptake by 12%.

Technologies: Machine Learning, Evidently AI, Business Intelligence

Senior Data Scientist, Credit Scoring Model Optimization

Duration: April 2024 – Present

Summary: Optimized the company's existing credit scoring model to improve risk differentiation.

Responsibilities: Enhancing ROC-AUC metric from 67% to 71% and reducing lending exposure to high-risk borrowers.

Technologies: Machine Learning, DataOps

Senior Data Scientist, Loan Portfolio Analysis Dashboard

Duration: April 2024 – Present

Summary: Led development of a loan portfolio analysis dashboard for loan reconciliation.

Responsibilities: Enabled successful loan reconciliation for top lenders, reducing unresolved loans.

Technologies: Data Analytics, Business Intelligence, Machine Learning

Senior Data Scientist, Customer Account Integration

Duration: April 2024 – Present

Summary: Integrated various customer accounts into the company's transaction database.

Responsibilities: Achieved a 15% average increase in total customer account volume.

Technologies: Data Engineering, Cloud Computing, Big Data

Senior Data Scientist, AI Monitoring Deployment

Duration: Apr 2022 – Mar 2024

Summary: Deployed AI monitoring tool for model and data drift detection.

Responsibilities: Improved model reliability by monitoring data drift and model performance drift.

Technologies: MLOps, Evidently AI, Machine Learning

Senior Data Scientist, Transaction Classifier Development

Duration: Apr 2022 – Mar 2024

Summary: Built and implemented a high-accuracy Transaction Classifier using NLP.

Responsibilities: Categorized customer transactions with a classification success rate of 98%.

Technologies: NLP, Machine Learning, Python

Senior Data Scientist, Subscribers Transaction Analysis

Duration: Apr 2022 – Mar 2024

Summary: Conducted analysis of subscribers transactions to improve targeted marketing strategies.

Responsibilities: Provided insights to MTN Nigeria using data analytics techniques.

Technologies: Big Data, Machine Learning, Analytics

Senior Data Scientist, eNaira Machine Learning Models

Duration: Apr 2022 – Mar 2024

Summary: Developed machine learning models for CBN eNaira to predict customer lifetime value.

Responsibilities: Enhanced financial planning and decision-making capabilities.

Technologies: Machine Learning, Forecasting, Python

Data Scientist, Telecom Data Analysis

Duration: Jul 2021 – Mar 2022

Summary: Analysed telecom data to identify demographic and socio-economic trends.

Responsibilities: Provided key insights from analysis of over 80 million subscribers.

Technologies: Data Science, AWS QuickSight, Analytics

Data Scientist, Named Entity Recognition Model

Duration: Jul 2021 – Mar 2022

Summary: Engineered an NER model to automate entity extraction from transactional text.

Responsibilities: Significantly automated processes and enhanced transactional data handling.

Technologies: NLP, Spacy, Python

Data Scientist, Campaign Strategy Optimization

Duration: Jul 2021 – Mar 2022

Summary: Conducted A/B testing to optimize marketing campaigns for reach effectiveness.

Responsibilities: Maximized campaign performance and effectiveness through A/B experiments.

Technologies: A/B Testing, Data Analytics, Machine Learning

Data Scientist, Credit Risk Assessment

Duration: Jan 2020 – Jun 2021

Summary: Built and managed the implementation of machine learning algorithms for credit risk assessment.

Responsibilities: Developed credit risk scorecards and improved collection processes.

Technologies: Machine Learning, Risk Analysis, Python

EDUCATION

- **Master of Science in Computer Science**
- Mar. 2018 – Jan. 2021
- **Bachelor of Science in Computer Science**
- Aug. 2011 – June 2015