DONALD OKOTH

Junior Data Engineer

Aberdeen, Scotland, UK
okoth46@gmail.com
https://syntax-ray.github.io/portfolio
https://linkedin.com/in/donald-okoth-6a225720b
https://github.com/syntax-ray

PROFESSIONAL SUMMARY

Junior Data Engineer with hands-on experience building data pipelines and warehouses on AWS using SQL, Python, and dbt. Proven track record in the fintech sector supporting production systems, data migrations, and automating financial reporting. Currently completing an MSc in Data Science and seeking a Graduate/Junior Data Engineering role.

TECHNICAL SKILLS

Languages	Python, SQL, R, Kotlin
Cloud / Infra	AWS (S3, Lambda, Redshift, Step Functions), Docker
Data Engineering	dbt, Data Warehousing, Data Modelling, ETL, Data Quality, Reporting
Databases	PostgreSQL, SQL Server, Redshift
Libraries & Tools	pandas, NumPy, scikit-learn, Matplotlib, Git

EXPERIENCE

Junior Data Engineer | **Fin (Microfinance / Fintech)** — *Sep 2023 – Nov 2024*

- Built and maintained data warehouse layers using dbt, PostgreSQL, Redshift, and SQL Server on AWS.
- Developed Python ingestion scripts for APIs and batch sources, processing datasets with over 1 million records.
- Automated financial and operational reports, successfully reducing turnaround time from days to hours.
- Orchestrated workflows using AWS Lambda and Step Functions to support production systems.
- Executed data migration from legacy systems to a new loan management platform, performing validation and reconciliation to ensure data integrity.
- Implemented data quality checks across multi-country datasets (Kenya & Tanzania), achieving >98% accuracy.

Intern Android Developer | **Three Modern Systems Ltd** — *Jun 2022 – Sep 2022*

- Built front-end features using Kotlin and integrated REST APIs, collaborating with the team via Git.
- Published an application to the Google Play Store, maintaining >95% crash-free sessions.

EDUCATION

MSc Data Science | **University of Aberdeen, UK** — *Jan 2025 – May 2026*

BSc Computer Science | **University of Nairobi, Kenya** — *Sep 2019 – Sep 2023*

- **Grade:** Second Class Upper Division.
- **Final Year Project:** Developed a University car parking system (web portal + mobile app) featuring reporting dashboards and permit validation.