MISAN WILLIAM OMATSONE

+353833430952 | williamomatsone@gmail.com | [LinkedIn](#) | [Portfolio](#) | Dublin, Ireland

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PROFESSIONAL SUMMARY

Data Analyst with 5+ years' experience in advanced data modelling, anomaly detection, and ETL/ELT processes. Proficient in SQL (complex queries), Python (pandas, NumPy, pattern recognition), and data visualisation (Tableau). Skilled at synthesising large datasets, identifying suspicious or irregular trends, and transforming analytical findings into clear recommendations for non-technical audiences. Keen to apply these capabilities in financial crime prevention, strengthening fraud detection and intelligence in a regulated environment.

SKILLS

Anomaly Detection & Analytics: Identifying outliers, pattern recognition, exploratory data analysis
Data Pipelines & Integration: SQL-based ETL/ELT, data validation, ensuring reliable datasets
Python Development: Scripting for data wrangling, regex/pattern matching, numeric/statistical libraries
Reporting & Visualisation: Tableau, Power BI, data storytelling for operational insights
Cross-Functional Collaboration: Agile approaches, stakeholder communication, translating technical findings for broader teams

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PROFESSIONAL EXPERIENCE

Senior Data Analyst

Vertice Cloud | Dublin, Ireland | February 2021 – Present
- Delivered complete, end-to-end dashboards in Oracle Analytics that displayed real-time financial and operational metrics, allowing senior leaders in Finance, Accounting, and Compliance to make faster, evidence-based decisions.
- Integrated comprehensive SQL-driven validation checks between staging tables and final reporting tables. This involved comparing row counts, sums, and data types daily. Any discrepancies triggered alerts so the analytics team could investigate and correct issues before they reached monthly close processes.
- Employed Agile methodologies, including sprint planning and daily stand-ups, to deliver iterative enhancements and encourage continuous stakeholder feedback.
- Maintained detailed documentation at each step, enabling colleagues to trace data lineage, understand the purpose behind each transformation, and trust the final outputs.

Data Science Intern

Vertice Cloud | Dublin, Ireland | April 2019 – May 2020.
- Focused on anomaly detection and data quality initiatives, creating automated checks that exposed outlier patterns in operational datasets.
- Utilised Python (pandas, NumPy) to explore large datasets, highlight correlations and recommend improvements for ongoing monitoring.
- Built A/B testing dashboards in Tableau, enabling product teams to evaluate performance metrics and user engagement swiftly.

Data Analyst

Dangote Industries Limited | Lagos, Nigeria | March 2015 – August 2018
- Produced automated reporting and reconciliation frameworks for high-volume data, reducing recurring errors and enhancing overall visibility.
- Introduced a cost-monitoring system that flagged abnormal spending patterns, enabling earlier intervention and diminishing project overruns.
- Generated monthly analytics updates for cross-functional managers, translating complex data into accessible findings that guided decision-making.

EDUCATION

M.Sc. Data Science – Technological University Dublin (Feb 2020)
   Emphasis on predictive modeling, machine learning, and data engineering
B.Sc. Information Systems – American University of Nigeria (May 2012)
   Focus on database design, BI, and software development fundamentals

DATA PROJECTS

- **Transforming Emergency Services with Data Insights –** Analysed Dublin fire and ambulance operations data over a decade (2012–2023) using Python, SQL, and Tableau. Identified peak callout periods, response time delays, and resource allocation inefficiencies. Developed an interactive dashboard to visualise trends, enabling emergency services to optimise operations, improve response times, and enhance public safety.
- **My Revolut: Unveiling Spending Habits with Data** - Analyzed Revolut transaction data (March 2020 - December 2024) using Power BI to identify spending trends, understand the drivers behind weekend spending sprees, and gain insights into personal financial behaviour.
- **Global Impact: Analyzing World Bank Loan Performance with Data** - Analyzed over 1.3M+ World Bank loan disbursements, repayments, and cancellations to identify regional variations in repayment rates, assess the impact of disbursement delays on project success, and extract actionable insights for improving development outcomes.
- **Follow the Money: How iFood Discovers Its Goldmine of Customers** - Segmented iFood customers using Excel, pivot tables, and scatterplots to identify high-value segments driving 20% of revenue. Analysed customer demographics and spending patterns to inform targeted marketing strategies.
- **Payments Fraud Risk Investigation:** Analyzed 6,000+ transactions using SQL and Python to identify fraud patterns, peak risk periods, and reversal reasons, delivering actionable recommendations for improved identity verification and monitoring.

CERTIFICATIONS

Google Data Analytics
Oracle Machine Learning using Autonomous Database 2023 Certified Associate
Oracle Cloud Infrastructure 2023 Certified Data Science Professional
Oracle Cloud Infrastructure 2023 AI Certified Foundations Associate

ADDITIONAL HIGHLIGHTS

- Adept at creating and refining anomaly detection methods in dynamic, data-rich environments.
- Comfortable coordinating with distributed teams under Agile/Scrum frameworks, ensuring timely project delivery.
- Interested in leveraging data-driven approaches to fraud detection and financial crime analysis, reducing false positives whilst protecting legitimate user activities.

Signature Strength: Combining data engineering, anomaly detection, and collaborative problem-solving to identify irregular trends, enhance operational controls, and mitigate risk in complex, regulated domains.