

Pharaoh Kipkirui Chirchir

DATA ANALYST SPECIALIST

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Profile

Strategic Data analyst with over seven years of experience managing complex datasets to extract meaningful insights for informed decision-making. Advanced proficiency in SQL, Python, R, and Excel for data analytics and Power BI and Tableau for data visualization. Skilled in developing and deploying scalable reporting solutions for data-driven decision-making and presenting insights to cross-functional teams, government agencies, and key stakeholders. Excellent at analyzing data to find practical solutions, improving work processes, and helping teams make better decisions based on facts. Focused on increasing efficiency with effective use of data to drive meaningful results.

Achievements

Awarded the **Most Innovative Staff** at CWS RSC Africa for designing and deploying six automated workflows during the START system launch, enhancing operational efficiency and reducing case processing time by 40%, leading to the departure of more than 22,000 refugees.

Developed a timeline trend report to optimize operations processing by tracking case progress from one stage to another, discovering process gaps, and reducing the average processing time from 50 days in 2023 to 29 days in 2024, enabling more departures of ready-to-depart cases.

Experience

Operations Data Analyst | International Organization for Migration 2022 September - Present

- Engineered automated reporting processes by developing Power BI models and SQL scripts, reducing manual reporting by 80% and improving real-time analytics for decision-making.
- Optimized data consistency by collaborating with the cross-functional department to implement an ETL pipeline, enabling seamless data extraction, transformation, and automated reporting.
- Spearheaded the Refugee Management Working Group in collaboration with the Government of Kenya Department of Refugee Services to successfully design and implement a refugee database that ensured interoperability with different systems in the government and other agencies.
- Created a dynamic timeline dashboard report to track document processing for exit permits, reducing airline block booking delays by 95% through trend analysis.

Senior Operations Analyst | CSW RSC Africa 2021 August – 2022 August

- Built a predictive analytic model to predict refugee movement timelines, allowing stakeholders to pre-position resources and align donor funding with anticipated needs, improving accuracy in planning by 85% and reducing last-minute resource shortage by 40%.
- Developed real-time Tableau reports and dashboards for managing case processing workload and quality assurance, improving efficiency and workload management by 35 %.
- Designed data governance protocols for securely handling sensitive data, ensuring compliance with UNHCR and IOM data protection standards.
- Led seven analyst teams to design and deploy 40+ SQL Server and Tableau reports during START system rollout, seamless access of real-time reporting by 15 departments, accelerating processing of cases.

Case Processing Analyst II | CSW RSC Africa**2020 April – 2021 July**

- Developed reusable Python scripts to clean, transform, and standardize raw refugee case data from more than five sources, enabling seamless integration into Tableau dashboards for real-time program monitoring.
- Worked with cross-functional teams to understand reporting needs provided and offered customized scalable solutions.
- Automated error-tracking and quality check reports, boosting reporting accuracy by 30%.

Case Processing Assistant | CWS RSC Africa**2018 May – 2020 March**

- Conducted detailed data processing for case processing activities to support strategic planning and decision-making for refugee resettlement processes at every stage.
- Developed a case processing stage step-down visual for the Bureau of Population, Refugees, and Migration reporting on the cases that drop at every stage, showing the trends

Claims Analyst | Resolution Insurance**2017 January – 2018 April**

- Designed a fraud detection model for medical claims with a 94% accuracy, minimizing the risk for the credit control department and assisting in medical provider disputes.
- Conducted financial reconciliations, streamlining account operations and resolving client complaints, strengthening compliance and transparency in the payment systems.

Education

Nexford University, Master of Science in Data Analytics**2023 November – 2024 November**

Major: Data Science | Minor: Machine Learning

Chuka University, Bachelor of Economics and Statistics**2012 September -2016 May**

Major: Economics | Minor: Statistics

Skills & abilities

- **Languages and Tools:** SQL, Python, R, Excel, Power BI, Tableau, Azure, Microsoft Dynamics ERP
- **Machine Learning:** Regression, Clustering, Decision Trees, Neural Networks, Predictive Analytics
- **ETL & Data Warehousing:** Data pipeline automation, SQL scripting, Azure integration
- **Project Management:** Agile methodologies, workflow optimization, stakeholder reporting
- **Soft Skills: Storytelling,** Communication, Problem Solving, Attention to detail, Data Interpretation

Certifications

- Career Essentials in Business Analysis – Microsoft & LinkedIn
- Becoming a Data Analyst – LinkedIn Learning
- Introduction to Business Intelligence – Corporate Finance Institute
- Career Essentials in Generative AI – Microsoft & LinkedIn
- Extended E-Certificate in Leadership & Management | UNSSC

References

Available upon request