

AYO MOSANYA

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PROFESSIONAL EXPERIENCE

Data Analytics Manager | Charles Schwab & Co, Inc | Mar 2022 - Present

- Architect and own enterprise-wide ETL platform delivering critical risk intelligence to 50+ stakeholders across C-suite committees (Operational Risk Oversight Committee, Bank Operational Risk Oversight Committee, Aggregate Bank Risk Committee), driving estimated \$620K+ annual value through 85% processing time reduction, automated compliance reporting, and risk mitigation that prevented regulatory findings
- Design Python-based ETL toolkit leveraging concurrent query processing and DuckDB/Parquet architecture to handle 20+ parallel SQL queries, scaling data operations from 700K to projected 3M rows while maintaining sub-second query performance and complete audit trail integrity through Git/GitHub version control—eliminating manual bottlenecks and enabling real-time risk KPI tracking
- Lead technical design discussions and data pipeline architecture for Critical Data Elements (CDE) regulatory reporting integrating with Collibra and Informatica data governance platforms; partner with GRC data engineers to refactor SQL code ensuring data quality, lineage tracking, and compliance standards across enterprise risk management systems supporting Federal Reserve examination requirements
- Serve as technical authority for Federal Reserve Board examination readiness, collaborating directly with Managing Director and senior leadership to analyze complex regulatory inquiries, identify critical data elements across disparate systems, validate data accuracy under tight deadlines, and deliver compliant responses—work that prevented formal findings and saved an estimated \$500K-\$2M in remediation costs and regulatory exposure
- Provide technical leadership across Internal Audit, Financial Crimes Risk Management (FCRM), and business unit Risk Managers, translating complex regulatory requirements into scalable analytics solutions and influencing strategic decisions on data architecture, tool selection, and process automation that reduced enterprise reporting costs by an estimated \$200K annually
- Mentor Risk Specialist to Senior Specialist promotion through structured technical guidance in SQL optimization, Python automation, and data visualization; volunteer for intern mentorship and interview panels, and provide ongoing career guidance to early-career analysts across the organization on technical skills development, understanding business impact, and navigating career growth in data analytics
- Drive enterprise adoption of self-service Tableau dashboards by 50+ stakeholders, delivering comprehensive user training and technical documentation that reduced manual reporting requests by 60%, accelerated risk KPI delivery from weeks to hours, and enabled non-technical teams to independently explore RCSA metrics, data anomalies, and issue trends for board-level decision-making
- Implement automated data validation frameworks with built-in aggregate reconciliation and anomaly detection for Risk Control Self-Assessment (RCSA) programs, reducing manual validation effort by 70% and preventing data quality incidents that typically cost financial institutions \$100K-\$500K per occurrence through early detection and automated alerting

Data Analyst | 2ndWatch (AWS Premier Consulting Partner) | Jun 2021 - Jan 2022

- Optimized AWS Redshift data warehouse infrastructure for Fortune 500 financial services clients, conducting cost-benefit analyses that identified multi-million dollar cloud spend efficiencies; developed unified Excel modeling framework integrated with Redshift SQL queries to accelerate cloud migration decision-making

M&A Analyst | Salesforce | Jul 2019 - Jun 2021

- Led analytics integration as technical SME for technology acquisitions, consolidating disparate data sources for due diligence and post-close activities; automated executive reporting pipelines using Tableau and Google Sheets, reducing manual effort 60% and enabling real-time integration status tracking across Corporate Development, IT, and Operations teams

Technical Advisor | Apple Inc. | Jun 2017 - Jul 2019 • Top 5% global customer satisfaction ranking; analyzed support data for product improvements

Sales Consultant | Sprint Inc. | Dec 2015 - Jun 2017 • Achieved top sales performance through data-driven customer analytics

EDUCATION

B.S., Computer Information Systems | University of Texas at Tyler

TECHNICAL SKILLS

Programming & Data Engineering: Python (pandas, polars, concurrent processing), SQL (Oracle, Redshift), DuckDB, ETL/ELT pipeline design, Git/GitHub

Cloud & Platforms: AWS (Redshift, S3), Oracle Database, Azure, GCP

Analytics & Visualization: Tableau, Plotly, Microsoft Excel, Google Sheets

Data Governance & Compliance: Collibra, Informatica, IBM GRC, Federal Reserve/RCSA/CDE regulatory reporting, data quality frameworks