

Professional Summary

Data Engineer based in New York with strong background in system integration, data wrangling and data management across various industries. Adept at delivering business value through cloud architecture, pipeline development, workflows and advanced analytics for multiple clients. Passionate about applying data expertise to contribute to organizations seeking to leverage to make data-driven decisions.

Experience

Kubrick Consulting Inc - Data Engineering Consultant New York, NY | June 2022 – Present

- Freshfields Bruckhaus Deringer
  - Engaged with stakeholders to understand business need and identify and design models for Critical Data Elements (CDEs) across multiple systems, leveraging SQL to develop data models and pipelines in cloud that enhanced business intelligence through BI.
  - Integrated 15 core systems across the organization to develop a comprehensive Data Framework and Data Catalog, enhancing data governance by enabling data stewards to access, manage, and maintain high-quality data across the organization’s landscape.
  - Developed Python program to extract lineage information from ETL code in 100 SQL files for 6000 columns in Data Warehouse that were used to create a database that provided visual insights into data origins and transformation processes.
  - Managed and optimized cloud resources including VMs, Storage Accounts and Key Vaults, ensuring efficient support for data integration and governance actions.
- Federal Reserve Bank
  - Collaborated with Data Architects, Product Owners, and Data Engineers to design and implement a Data Mesh Model, enabling the client's shift to a decentralized data architecture. This transition improved data availability, quality, confidentiality, and compliance, while simplifying ownership and the management of SLAs across the organization.
  - Developed and automated regression testing frameworks in Python and Groovy to validate data quality, enforce security compliance, track data lineage, and ensure metadata enrichment across data pipelines.
  - Engineered and automated cloud data pipeline to process terabytes of data and generate Tableau Dashboards showcasing the most-viewed data assets leveraging REST APIs and Python, improving visibility and data-driven decision making.
  - Designed and implemented Groovy script and workflows to automate data access processes while integrating compliance checks and approval protocols to ensure adherence to privacy, security, and regulatory standards. This reduced manual effort and enhanced data governance by ensuring that all data access requests met stringent compliance and quality requirements.

Griffiss Institute/ Air Force Research Laboratory - Data Analyst Intern Rome, NY | June 2021 – June 2022

- Developed and implemented a Visual Basic program to consolidate and deduplicate bibliometric records from five diverse sources into a unified database. Leveraged Tableau to create dashboards that enabled technical librarians to perform landscape analysis, facilitating collaboration among authors and enhancing data-driven insights.

Education

University of Massachusetts Amherst Amherst, MA | September 2018 – May 2022

BS Mathematics & Physics [GPA: 3.8]

Relevant Courses: Probability & Statistics, Mathematical Modeling, Advanced Linear Algebra, Scientific Computing, Advanced Calculus

Certifications

- Databricks Data Engineer Associate
- Microsoft Azure Fundamentals [AZ-900]
- Microsoft Data Fundamentals [DP-900]
- Collibra Solutions Architect

Skills

Python	AWS	REST API
SQL	Azure	Data Lineage
Groovy	Databricks	Data Governance
Java	Tableau	System Integration
HTML & CSS	Power BI	CI/CD
Javascript	Spark	Data Modeling