

John Lorenzo

Data Engineer

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Experience

Data Engineer

TriHealth | Cincinnati, OH | January 2026 – Present

- Write and optimize complex SQL queries across Clarity and Caboodle databases to develop ETL pipelines and model healthcare data for reporting
- Build custom reports and analytical tools using SlicerDicer and Reporting Workbench to support clinical workflows and administrative decision-making
- Collaborate with healthcare teams and stakeholders to translate operational reporting needs into scalable database queries and dashboard solutions

Clinical Data Analyst

Medpace | Cincinnati, OH | August 2022 – August 2024

- Designed and maintained Spotfire dashboards to monitor patient safety and site performance across multiple clinical trials
- Translated clinical trial protocols, CRFs, and related study documents into data visualization specifications
- Produced biweekly/monthly safety reports used by medical teams and sponsors to evaluate investigational product effects and guide trial decisions

Skills and Certifications

Certifications: Epic (Cogito, Caboodle, Clarity, Clinical Data Model), Microsoft Azure Fundamentals (AZ-900)

Programming: SQL, Python, R

Visualization: Spotfire, Shiny (R), Tableau, Power BI

Projects

Lottery Scratch-Off Analyzer (R Shiny Web App) – <https://john-lorenzo.shinyapps.io/lotto-luck/>

- Designed and automated a daily data pipeline (Python web scraping + PHP REST API) to track lottery scratch-off tickets
- Developed an interactive R Shiny dashboard enabling users to analyze prize pool trends, expected value, and optimal purchasing strategies in real time

Clinical Safety Dashboard (Tableau Dashboard) – <https://bit.ly/ClinicalSafetyDashboard>

- Visualized key patient safety metrics with interactive filters for drill-down analysis
- Demonstrated ability to translate complex healthcare data into actionable insights for non-technical dashboard users

Education

B.S. in Computer Science, Minor in Data Science

- Northern Kentucky University | August 2018 – May 2021
- Graduated magna cum laude (GPA 3.78)
- President's Honors List (2 semesters) | Dean's List (2 semesters)