

Robert Sory Jr.

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Professional Summary

Data Engineer and Business Intelligence Developer with 5+ years of leadership experience and a Google Data Analytics Professional Certificate. Skilled in **Python (Pandas, NumPy), SQL, ETL pipelines, and cloud data warehousing (BigQuery)**. Proven ability to design and deploy **end-to-end data pipelines, dashboards, and reporting systems** that optimize decision-making. Passionate about building scalable, accessible, and business-ready data solutions.

Technical Skills

- **Languages & Databases:** Python (Pandas, NumPy, Tkinter), SQL, Google BigQuery
 - **Data Engineering & Analytics:** ETL, Data Warehousing, Data Cleaning, Data Visualization
 - **Tools & Platforms:** Excel, Google Sheets, Tableau, Power BI, Looker Studio
 - **Software Development:** Git/GitHub, OOP, Modular Design, Prompt Engineering
 - **Methodologies:** Systems Design, SDLC, Agile, SCRUM
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Featured Projects

Personal Finance Tracker | Python, BigQuery, Looker Studio

- Built an **automated ETL pipeline** to ingest, clean, and load >2 years of financial data from Google Sheets into BigQuery.
- Designed a **cloud-based warehouse** with scalable schemas to support trend analysis and forecasting.
- Delivered **real-time dashboards** in Looker Studio, enabling insights into cash flow, category spend, and profitability.
- Reduced manual data entry by **80%** and improved financial tracking accuracy.

AI in Education | Python, NLP, Pandas

- Developed algorithms to analyze and summarize academic content.
- Automated **quiz and study guide generation** using custom prompt engineering workflows.
- Showcased application of **natural language processing** in ed-tech solutions.

Five-Card Draw Poker Game | Python (OOP)

- Designed and implemented a **modular, multi-player CLI game** with scalable object-oriented architecture.
- Applied **state management and logic handling** to simulate real betting rounds and outcomes.
- Version-controlled and documented on GitHub as a demonstration of software engineering practices.

Professional Experience

Operations Lead / Owner | Beacon Street Café, Zip Trip Café, Gateway Vending | St. Louis, MO | 2015 – 2023

- Engineered custom **data tracking systems** in Excel and POS to analyze sales and profitability trends.
- Migrated vending operations to **card-only payments**, reducing register discrepancies by **99%**.
- Designed a prototype **mobile-friendly UI** for remote machine management, integrating backend logic and UX.
- Managed vendor negotiations, staffing, and scheduling across 3 businesses.

Assistant Sales Manager | Ashley HomeStore | St. Louis, MO | 2021 – 2023

- Analyzed national/regional performance with **Power BI**, improving team KPIs by **15%**.
- Built internal dashboards and Excel reports to track sales KPIs.
- Trained and supervised 23 sales staff using data-driven performance metrics.

Customer Support Representative | Tower Loan | St. Louis, MO | 2023

- Handled sensitive financial records and migrated **200+ daily loan documents** into new systems.
- Applied **custom accessibility solutions** (high contrast, zoom, font scaling) to improve workflow and productivity.

Education & Certifications

- **Google Data Analytics Professional Certificate** – SQL, Data Cleaning, Dashboards, Spreadsheets, Reporting

- ***Self-Taught Backend & Data Development*** – *Project-based mastery of Python, SQL, ETL, Data Visualization*