

# Robert Sory Jr

St. Louis, MO

 (314) 437-9681 |  rjsory1995@gmail.com

**LinkedIn:** <https://www.linkedin.com/in/robert-sory-1ab752213>

**GitHub:** <https://github.com/shortview231>

**Portfolio:** <https://shortview231.github.io/>

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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, including private internal workflow systems that connect planning, execution, and real output generation.

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## Technical Skills

### Languages & Databases

- Python (Pandas, NumPy, Tkinter)
- SQL
- Google BigQuery

### Data Engineering & Analytics

- ETL Pipelines
- Data Warehousing
- Data Cleaning & Transformation
- Data Visualization

## Tools & Platforms

- Excel
- Google Sheets
- Tableau
- Power BI
- Looker Studio

## Software Development

- Git / GitHub
- Object-Oriented Programming (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 over two years of financial data from Google Sheets into BigQuery.
  - Designed a scalable cloud data warehouse to support trend analysis and forecasting.
  - Delivered real-time dashboards in Looker Studio providing insights into cash flow, category spend, and profitability.
  - Reduced manual data entry by 80% and improved financial tracking accuracy.
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## 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.
  - Demonstrated applied natural language processing techniques for educational technology solutions.
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## Five-Card Draw Poker Game

*Python (OOP)*

- Designed and implemented a modular, multi-player CLI game using scalable object-oriented architecture.
  - Applied state management and logic handling to simulate betting rounds and outcomes.
  - Fully version-controlled and documented on GitHub to demonstrate software engineering best practices.
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## Internal Workflow System & Local IDE Project Builder

*Python, Tkinter, Local Automation*

- Designed, developed, and operated a **local-first internal workflow system** to manage structured projects from intent through execution and output.
- Built a private, standalone environment emphasizing reliability, traceability, and repeatable task execution without cloud or internet dependencies.
- Created a local, code-enabled IDE-style interface to scaffold, manage, and execute project workflows using modular Python automation.
- Designed a structured project lifecycle system enabling the creation of missions (goals) and tickets (tasks) tied to explicit outputs.
- Implemented task lifecycle tracking (planned, active, completed) with synchronized system views.
- Developed execution pipelines that generate real artifacts (e.g., CSV files) from defined tickets, validating end-to-end workflow reliability.
- Debugged and resolved state mismatches between project setup, scheduling, and execution layers to ensure system consistency.
- Emphasized offline reliability, enabling uninterrupted development during network outages.

- Built UI views to monitor task state, execution runs, and output results while abstracting internal system details.
- Created demo-ready workflows and visualizations to clearly communicate system behavior from project creation to file generation.

**Key Technologies:** Python, Tkinter, OOP, CSV Generation, Local File I/O, Modular Automation, State Management

**Core Strengths:** Internal Tooling, Workflow & Lifecycle Design, Execution Pipelines, Debugging, Documentation, Offline Development

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## 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 platforms 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 with UX considerations.
  - Managed vendor negotiations, staffing, and scheduling across three businesses.
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### Assistant Sales Manager

**Ashley HomeStore — St. Louis, MO**  
2021 – 2023

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

**Tower Loan — St. Louis, MO**

2023

- Managed sensitive financial records and migrated over 200 daily loan documents into new systems.
  - Applied custom accessibility solutions (high contrast, zoom, font scaling) to improve workflow efficiency and productivity.
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## **Education & Certifications**

### **Google Data Analytics Professional Certificate**

- Coursework in SQL, data cleaning, dashboards, spreadsheets, and reporting
- Project-based mastery of Python, SQL, ETL pipelines, and data visualization