

Jett Payne

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SUMMARY

Senior **data solutions** and analytics professional with seven years of **progressively responsible experience** supporting financial technology, risk, compliance, and operations through scalable data products. Builds Python, Spark, Airflow, and SQL pipelines that convert large operational datasets into reliable controls, reconciliations, alerts, and reporting. Applies exploratory and statistical analysis to identify anomalies, risk signals, process patterns, and **operational opportunities**. Creates dashboards and visualizations that help Product, Engineering, Compliance, and Operations teams assess system health and make informed decisions. Develops supervised workflow automation using Generative AI and **large language models**, with attention to traceability, validation, and data quality. Leads delivery from problem framing through deployment and monitoring, mentors analysts, and connects technical decisions with business outcomes.

EXPERIENCE

Senior Data Analytics Engineer

Pioneer Fintech Systems

July 2023 - Present

Austin, TX

Owns analytics for transaction monitoring, customer servicing, reconciliations, and **product health** across high volume financial technology datasets. Leads pipeline delivery, investigation analysis, dashboard development, supervised language model **workflow automation**, and analyst mentoring.

- Built **Python** and Spark transformations in **Airflow**, producing repeatable controls and reconciliation outputs.
- Traced account and workflow **anomalies** with **complex SQL**, supporting faster investigation review and resolution.
- Created operational dashboards with trend views and drill down diagnostics for exception review teams.
- Developed LLM assisted case classification, producing structured summaries for human validation and traceability.
- Mentored analysts on pipeline design, statistics, code review, visualization, and cross functional delivery.

Data Solutions Analyst

Harborline Financial Technology

March 2021 - June 2023

Dallas, TX

Developed operational data solutions for controls, reconciliations, risk analysis, reporting, and process health. Partnered with Product and Engineering on requirements, validation, workflow automation, and downstream impact assessment.

- Developed Python, Spark, Airflow, and SQL **pipelines** for operational controls and account **reconciliations**.
- Identified recurring exception patterns through exploratory analysis, informing risk mitigation planning and prioritization.
- Applied statistical methods to separate normal variation from unusual activity during validation reviews.
- Built dashboards combining process volume, alert status, aging, and system indicators for **operations** reviews.
- Automated recurring preparation and **reporting** through parameterized workflows, improving consistency across review cycles.
- Partnered with **Product** and **Engineering** to validate upstream and downstream impacts before delivery.

Data Analyst

Crescent Bay Digital Finance

June 2019 - February 2021

Plano, TX

Analyzed customer and operational data for reporting, exception investigations, reconciliation workflows, and maintained **analytics** solutions. Supported data quality, testing, documentation, and communication with nontechnical partners.

- Analyzed customer and operational data with SQL and Python for reporting and exception investigations.
- Built reusable SQL transformations joining account, event, and workflow records with data quality checks.
- Produced visual analyses that explained complex operational **patterns** for nontechnical partners and reviewers.
- Created scheduled reporting workflows with reconciliation checkpoints and traceable output history.
- Investigated unusual records and operational bottlenecks, escalating validated findings for follow up.
- Contributed peer reviews, documentation, and testing as analyses moved into maintained solutions.

PROJECTS

Risk Signal Operations Hub 📅 2024

Small signals can reveal large process issues. Built a distinct analytics concept for combining risk alerts, reconciliation status, operational indicators, and dashboard views into one review experience for cross functional teams.

Language Model Case Review Workflow 📅 2025

Automation earns trust when people can inspect its work. Developed a separate workflow concept for classifying case context, drafting structured summaries, and preserving human validation across compliance operations.

LEADERSHIP & AWARDS

- Senior analyst recognition for ownership of financial technology analytics, controls, and reconciliation delivery.
- Peer mentor recognition for practical guidance on Python, Spark, statistics, visualization, and code review.
- Leadership contribution through cross functional delivery with Product, Engineering, Compliance, and Operations teams.

EDUCATION

Bachelor's Degree in Computer Science

Texas State University GPA: 0

2019

San Marcos, TX

Coursework: Data Structures, Database Systems, Statistics, Software Engineering

CERTIFICATIONS

- Google Advanced Data Analytics Professional Certificate 📅 2024
- Databricks Academy Apache Spark Developer Learning Plan 📅 2025

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, PySpark
- **Data Processing:** Apache Spark, Spark SQL, DataFrames
- **Workflow Orchestration:** Apache Airflow, DAGs, Scheduled workflows
- **Database Analysis:** Complex SQL, Joins, Aggregations
- **Analytics Methods:** Exploratory data analysis, Statistical analysis, Anomaly analysis
- **Risk Operations:** Risk indicators, Risk alerts, Detective controls
- **Financial Controls:** Reconciliations, Exception review, Traceability
- **Business Intelligence:** Dashboards, Trend views, Drill down analysis
- **Artificial Intelligence:** Generative AI, Large language models, LLM assisted workflows
- **Data Quality:** Validation checks, Data quality checks, Testing
- **Reporting Systems:** Operational reporting, Scheduled reporting, Parameterized workflows
- **Stakeholder Platforms:** Product analytics, System health, Process health

SKILLS

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|---------------|------------------|------------------------|------------------------|
| • Python | • Data pipelines | • LLMs | • Reconciliations |
| • Spark | • Risk alerts | • Generative AI | • Detective controls |
| • Airflow | • Dashboards | • Statistical analysis | • Compliance analytics |
| • Complex SQL | • Visualization | • Exploratory analysis | |

PROFESSIONAL AFFILIATIONS

- Financial technology analytics community, connecting data practitioners around controls, reconciliations, and operational reporting.
- Data engineering peer network, sharing practical guidance on Spark pipelines, SQL analysis, testing, and visualization.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST