

STRENGTHS

- Cloud modernization**
Turned legacy warehouse workloads into governed Azure, AWS, Databricks, and Snowflake products; migration reviews became a trusted forum for delivery decisions.
- Secure data design**
Applied IAM, RBAC, OAuth 2.0, TLS/mTLS, JWT, lineage, and catalog controls on sensitive payment data; security partners gained confidence in release plans.
- Practical mentorship**
Guided five engineers through reviews, testing, observability, and cost discussions; junior teammates often brought difficult design questions first.
- Streaming delivery**
Combined Kafka, Spark, and Delta Lake for near-real-time claims and transaction flows; careful reconciliation kept operations comfortable with live data.
- Business translation**
Turned product and analytics needs into dimensional models and reusable datasets; partners saw clearer answers without spreadsheet reconciliation.

SKILLS

<u>Data architecture</u>	<u>Platform design</u>
<u>Data sharing</u>	<u>Data mesh</u>
<u>Problem solving</u>	<u>Cloud migration</u>
<u>Batch processing</u>	
<u>Streaming pipelines</u>	<u>Data modeling</u>
<u>SQL</u>	<u>Python</u>
<u>API integration</u>	
<u>Data governance</u>	<u>Mentoring</u>
<u>Financial services</u>	

SUMMARY

Lead Cloud Data Engineer with nine years of hands-on delivery across Azure, AWS, Databricks, and Snowflake in regulated financial services. Builds secure, reusable data products that help product managers, analytics teams, governance partners, and security leaders make confident decisions. Recent work modernized legacy warehouse workloads into cloud-native platforms, combining **Apache Spark, Delta Lake**, SQL, dimensional modeling, batch processing, streaming, and API integrations. Brings practical experience with **Azure Data Factory, Azure Data Lake Storage**, Synapse Analytics, AWS Glue, Amazon S3, Kafka, Snowpipe, Power BI, IAM, RBAC, OAuth 2.0, TLS/mTLS, JWT, CI/CD, testing, observability, performance tuning, and cost optimization. Ready to bring calm technical leadership, thoughtful mentoring, and delivery discipline to Pinnacle Harbor Financial's multicloud data product team.

EXPERIENCE

Lead Cloud Data Engineer

Crescent Ridge Capital

January 2023 - Present

Raleigh, NC

- Leads a governed data product platform spanning Azure, AWS, Databricks, and Snowflake. Owns architecture, delivery, production operations, stakeholder alignment, and mentoring for portfolio, client, and risk analytics across six business domains.
- Directed delivery of governed Azure, AWS, Databricks, and Snowflake **data products** across six domains, giving portfolio, client, and risk teams reusable analytics assets.
 - Led legacy warehouse migration into ADLS, Delta Lake, and Snowflake through dependency analysis, reconciliation controls, and parallel runs that protected month-end reporting.
 - Established reusable Azure Data Factory and **AWS Glue** ingestion frameworks for REST APIs, S3 objects, and event-driven feeds, adding schema validation and quarantine handling.
 - Implemented Spark batch and Kafka near-real-time processing, tuning partitioning, clustering, and Delta Lake maintenance for high-volume transaction and reference datasets.
 - Partnered with security, risk, and governance teams on IAM, RBAC, **OAuth 2.0, TLS/mTLS, JWT**, catalog registration, lineage, privacy, and domain-level data sharing.
 - Guided five engineers through architecture reviews, code reviews, **CI/CD** standards, automated testing, observability, performance reviews, cost reviews, and delivery planning with product owners and **Power BI** analysts.

Senior Cloud Data Engineer

Bluewater Payment Systems

June 2020 - December 2022

Atlanta, GA

- Owned cloud data engineering for payment operations and fraud analytics. Converted business needs into dimensional models, secure ingestion patterns, reusable Snowflake products, and supportable delivery practices for analytics and operations teams.
- Converted payment and fraud requirements into dimensional models and reusable Snowflake data products, giving **analytics teams** consistent views of settlement and authorization activity.
 - Built **Azure Data Factory** pipelines into ADLS and Synapse Analytics with metadata-driven configuration, shortening onboarding for merchant and settlement sources.
 - Developed **Databricks** Spark workloads with Delta Lake checkpoints and incremental processing, improving daily settlement and intraday authorization reliability.
 - Designed Snowpipe ingestion and secure **Snowflake** data shares, documenting stewardship, retention, lineage, and approved access paths in an enterprise catalog.
 - Integrated API gateway endpoints and **AWS SQS** events with REST services, applying **OAuth 2.0, JWT** validation, RBAC, and encrypted transport for sensitive payment data.
 - Introduced pull-request checks, data-quality tests, pipeline monitoring, and recovery runbooks, giving release and support teams clearer control over production changes.

Cloud Data Engineer

Northstar Assurance Group

July 2018 - May 2020

Columbus, OH

LANGUAGES



MY CAREER



- Lead Cloud Data Engineer at Crescent Ridge Capital (3.6 Years)
- Senior Cloud Data Engineer at Bluewater Payment Systems (2.5 Years)
- Cloud Data Engineer at Northstar Assurance Group (1.8 Years)
- Data Engineer at HarborPoint Financial Services (10 Months)

Delivered cloud migration and analytical data engineering for policy, claims, and customer domains. Built governed pipelines, curated models, event integrations, and Power BI assets while working with cloud security architects and operations partners.

- Delivered migration work for policy, claims, and customer datasets by translating **on-premises SQL** Server structures into curated Azure and Snowflake analytical layers.
- Created **Azure Data Factory** and AWS Glue pipelines for scheduled files, S3 feeds, and **REST** integrations, adding reject handling, audit columns, and restartable processing.
- Standardized large policy histories with Databricks, Apache Spark, and Delta Lake through deduplication, slowly changing dimensions, and business-effective dating.
- Supported Kafka and **RabbitMQ** integrations for near-real-time claims events, documenting message contracts and validating downstream delivery with reconciliation queries.
- Applied IAM, RBAC, managed identities, and TLS controls with cloud **security architects**, producing evidence for governance and privacy reviews.
- Published curated datasets and Power BI semantic models, replacing spreadsheet reconciliation with repeatable SQL-driven reporting workflows.

Data Engineer

HarborPoint Financial Services 📅 August 2017 - June 2018 📍 Cleveland, OH

Built foundational data engineering capability for lending and customer-support reporting under senior platform guidance. Supported SQL and Python transformations, Azure Data Lake Storage ingestion, Databricks prototypes, API testing, and regulated-data controls.

- Built SQL and Python transformations for lending and customer-support reporting under guidance from senior platform engineers, creating dependable inputs for analyst review.
- Maintained scheduled ingestion from relational sources into an **Azure Data Lake Storage** test environment, documenting mappings, source definitions, and validation results.
- Developed **Databricks** Spark prototypes comparing batch strategies for loan activity and account history datasets, helping senior engineers assess production options.
- Created dimensional tables and reconciliation queries for record counts, balances, and late-arriving updates before publication to analysts.
- Supported REST source integration testing and recorded authentication, error-handling, payload, and API gateway requirements for later implementation.
- Contributed to **code reviews**, deployment checklists, and data-quality runbooks while completing supervised training in cloud security, **metadata management**, and regulated-data controls.

PROJECTS

Domain Data Product Exchange 📅 2024

Good platforms make reuse feel ordinary. Created a cross-domain sharing pattern with Snowflake data sharing, catalog metadata, lineage, RBAC, and approved access workflows, giving analytics teams governed datasets without duplicate extracts.

Streaming Risk Signal Fabric 📅 2022

Batch is not always late; sometimes business decisions simply need a live signal. Built a Kafka and Spark streaming pattern with Delta Lake checkpoints, reconciliation queries, observability, and secure downstream access for risk analytics.

Legacy Warehouse Cloud Migration 📅 2020

Migration succeeds when trust moves with data. Developed a staged SQL Server modernization approach using Azure Data Factory, ADLS, Synapse Analytics, Snowflake, parallel validation, and rollback controls for regulated reporting.

LEADERSHIP & AWARDS

- Cleveland Technology Association Emerging Data Professional Award, 2021
- Information Systems Capstone Excellence Award, Ohio University, 2017
- Dean's List, Ohio University, 2016

EDUCATION

Bachelor's Degree in Information Systems

Ohio University 🎓 GPA: 3.7 📅 2017 📍 Athens, Ohio

Coursework: Database Systems, Cloud Computing, Data Analytics, Information Security, Systems Analysis

CERTIFICATIONS

- Microsoft Certified: Azure Data Engineer Associate 📅 2022
- AWS Certified Data Analytics - Specialty 📅 2023
- Databricks Certified Data Engineer Professional 📅 2024

TECHNICAL SKILLS

- **Azure Data Services:** Azure Data Factory, Azure Data Lake Storage, Azure Synapse Analytics
- **AWS Data Services:** AWS Glue, Amazon S3, AWS SQS
- **Databricks Engineering:** Databricks, Apache Spark, Delta Lake
- **Snowflake Platform:** Snowflake, Snowpipe, Snowflake data sharing
- **Data Modeling:** Dimensional modeling, analytical modeling, SQL
- **Integration APIs:** REST, SOAP, GraphQL
- **Messaging Platforms:** Kafka, RabbitMQ, AWS SQS
- **Identity Security:** IAM, RBAC, managed identities
- **Application Security:** OAuth 2.0, TLS/mTLS, JWT
- **Governance Metadata:** Data cataloging, lineage, metadata management
- **Delivery Quality:** CI/CD, automated testing, data-quality testing
- **Operations Analytics:** Observability, performance tuning, cost optimization
- **Business Intelligence:** Power BI, Tableau, semantic models
- **Cloud Architecture:** Azure architecture, AWS architecture, platform design
- **Data Product Methods:** Data mesh, domain-driven data products, reusable datasets

PROFESSIONAL AFFILIATIONS

- Data Platform Mentorship Circle, Mentor, 2024 - Present
- Financial Services Data Governance Working Group, Contributor, 2022 - Present
- Ohio University Information Systems Alumni Panel, Volunteer Speaker, 2020 - Present

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST