

CANNON CHANDLER WEST

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SUMMARY

Senior Data Engineer with 5+ years of experience architecting cloud-native data platforms and high-performance ETL pipelines. Expert in building reliable data ecosystems using Python, Spark, and AWS, with a focus on automating infrastructure via CI/CD and preparing scalable datasets for advanced analytics and AI/ML initiatives. Proven track record of bridging the gap between legacy infrastructure and modern data reliability engineering.

EXPERIENCE

Senior Data Engineer — Capital One

March 2025 – April 2026

Richmond, VA

- **High-Scale Pipeline Architecture:** Designed and orchestrated serverless ETL/ELT workflows using AWS Glue and Step Functions, processing TB-scale financial datasets from raw ingestion to trusted consumption layers in S3.
- **Spark Performance Tuning:** Optimized distributed Spark jobs on Databricks, utilizing advanced partitioning strategies and cluster sizing to reduce runtime latency by 20% and lower cloud compute costs.
- **DevOps for Data:** Implemented robust CI/CD pipelines via Jenkins, enforcing automated testing and version control (Git) to reduce deployment errors and accelerate release cycles for data products.
- **AI/ML Readiness:** Collaborated with Data Science teams to build "feature-ready" data pipelines, standardizing data quality checks to support predictive modeling and risk analysis.

Data Engineer & Infrastructure Support — Alliance Technology Group

Feb 2021 – March 2025

Remote

Data Engineering & Analytics (Jan 2023 – March 2025)

- **End-to-End BI Solutions:** Built dynamic ETL processes using Python and APIs to ingest cybersecurity data into Power BI, creating a unified view of infrastructure health for Vantage Data Centers.
- **Automation:** Developed automation scripts in a .NET/Bash environment to bridge connectivity between Microsoft AD, Tenable security feeds, and Azure cloud resources, eliminating manual reporting hours.

Developer & Data Analyst (Feb 2021 – Dec 2022)

- Developed and maintained a web-based interactive database for multi-environment data uploads (Lab, AWS, Oracle) for DoD and Intel customers.
- Implemented stackable querying functionality and a robust authentication system to enhance data retrieval and security.

Infrastructure Support Engineer (Concurrent Focus)

- **Physical to Cloud Bridge:** Deployed network and server infrastructure for global data centers, providing the "bare metal" understanding of latency, networking, and virtualization that informs current cloud architecture decisions.

EDUCATION

Virginia Commonwealth University

May 2021

Bachelor of Science in Computer Science, Concentration in Data Science

Richmond, VA

TECHNICAL SKILLS

Languages	Python, Java, Scala, SQL, C, Bash / Shell Scripting
Big Data & Cloud	AWS (Glue, S3, EMR, Redshift), Spark, Databricks, Kafka, Hadoop, Hive, Snowflake, Azure
Databases	RDBMS (PostgreSQL, MySQL), NoSQL (MongoDB, Cassandra)
Development & Ops	Agile (Scrum, Kanban), CI/CD (Jenkins), Git, Jira, Linux Environments
Data Science & ML	Machine Learning, Natural Language Processing (NLP), Data Analytics
BI & Visualization	Power BI, Data Visualization, KPI Dashboards