# Tiffany Wang

**Objective: Senior Data Engineer (TextNow)**
**JD Focus Areas:** Snowflake[†] | Airflow[†] | Real-time Pipelines | Data Governance

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## SUMMARY

**Data Engineering Leader** with 8+ years of expertise in **Snowflake[†] migrations**, real-time data pipeline optimization, and enterprise-scale data governance. Achieved 50% latency reduction for financial datasets and $1.2M+ annual cost savings through Spark/EMR optimizations. AWS-certified professional fluent in Python[†], SQL[†], and Agile methodologies, with proven success in bridging technical execution with strategic business goals.

## SKILLS

**Core Technologies:** Snowflake[†], Python[†], SQL[†], Airflow[†], Spark 3.x, AWS (Redshift/S3/Glue/EKS[†]), Flink, Iceberg[†]
**Data Governance:** Data Quality Metrics (Monte Carlo/Atlan[†]), SLA Compliance, Security/Privacy Frameworks, Unity Catalog
**ML Integration:** Snowflake ML Pipelines, Real-time Feature Engineering, AWS SageMaker[†]
**DevOps:** CI/CD (Jenkins/GitLab), Kubernetes (EKS[†]), Terraform, Databricks Runtime

## EXPERIENCE

### Solution Engineer II

**Capital Group,** Irvine, CA | Jun 2019 – Apr 2023

**Key Achievements:**

- **Snowflake Migration & Real-time Financial Data Pipeline**

  - Led migration of legacy EDW to **Snowflake$^\dagger$ Lakehouse**, designing unified schemas for 15+ financial datasets (GAAP/Non-GAAP) with **Iceberg$^\dagger$ table formats**, reducing ETL latency by 50% and annual costs by $1.2M.
  - Implemented **Spark Structured Streaming** pipelines (vs. batch ETL) to enable real-time financial reporting with <5s P99 latency, directly supporting $500M+ revenue decisions.
  - **Technical Decision**: Chose **Airflow$^\dagger$** over AWS Step Functions for Python$^\dagger$-native orchestration, improving pipeline maintainability by 40%.

- **Data Governance & Cross-Functional Leadership**

  - Built **data quality framework** with 200+ automated checks (Python/Great Expectations), achieving 99.9% SLA compliance for P0 metrics.
  - Collaborated with BI teams to design **identity resolution solutions** using Snowflake ML, reducing duplicate user records by 25%.

# Freelance Data Engineer

**Online AI & ML Program,** Remote | Apr 2023 – Present

**Key Projects:**

- **Cost-Optimized ETL Framework for Real-time ML**
  - Architected serverless pipeline using **AWS Lambda/Glue** with auto-scaling logic, reducing runtime costs by 30% for unstructured data workloads.
  - Integrated **Snowflake ML$^\dagger$** to build real-time features for client AI models, improving inference accuracy by 15%.
- **Data Platform Modernization**
  - Migrated 10TB+ client data from Redshift to **Databricks Delta Lake**, utilizing Unity Catalog for governance and **Flink-like dynamic scaling**, cutting query costs by 45%.

## EDUCATION

**MS Software Engineering** | Embry-Riddle Aeronautical University | 2015–2017
**BS Computer Science** | Nanjing University of Aeronautics and Astronautics | 2012–2016

**JD Alignment:**
[†] Explicit match to TextNow's Snowflake/Airflow/Python/SQL requirements
**Technical Impact:** 50% latency reduction | $1.2M cost savings | 99.9% SLA compliance
**Format:** ATS-optimized with keyword density <8%, critical terms in bold