

Tiffany Wang

Objective: Senior Data Engineer at Dropbox

Phone: (626)-223-6123 | Location: 551 Avenue A, Redondo Beach, CA 90277

LinkedIn: <https://www.linkedin.com/in/tiffanywangengineer/> | Email: tiffany.wang.engineer@gmail.com

SUMMARY

Data Engineering Leader with 8+ years of expertise in **Databricks⁺ migrations, financial data pipeline optimization, and enterprise-scale data governance**. Spearheaded 30%+ cost reductions through Spark/EMR optimizations and achieved 99.9% SLA compliance for P0 datasets. AWS-certified professional fluent in Python⁺, SQL⁺, and Agile methodologies, with proven success in bridging technical execution with C-suite strategic goals.

SKILLS

Core Technologies: Databricks⁺, Snowflake⁺, Airflow⁺, EMR, Spark, Python⁺, SQL⁺, Scala, AWS (Redshift/S3/Glue)

Data Governance: Data Quality Metrics, Monte Carlo/Atlan⁺ Integration, Schema Design, Dimensional Modeling

DevOps: CI/CD (Jenkins/Git⁺), Test Automation, Kubernetes, Terraform

Frameworks: Agile/Scrum, TDD, RESTful APIs, Lakehouse Architecture

EXPERIENCE

Solution Engineer II

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

Key Achievements:

- **Databricks Migration & Financial Data Pipeline Modernization**

- Led migration of legacy EDW to **Databricks Lakehouse**, designing unified schemas for 15+ financial datasets (GAAP/Non-GAAP), reducing ETL latency by 50% and annual costs by \$1.2M.
- Implemented **data health monitoring** with 200+ automated checks (Python/Great Expectations), achieving 99.9% uptime for P0 metrics driving \$500M+ revenue decisions.
- Optimized Spark jobs on EMR clusters through dynamic resource allocation, cutting cloud spend by 35% while maintaining <150ms P99 response times.

- **Cross-Functional Leadership**

- Collaborated with Finance/BI teams to define **SLA governance framework**, reducing data incident escalations by 40% through proactive anomaly detection (Monte Carlo-like patterns).
- Mentored 5 engineers in **Agile/CICD practices**, accelerating sprint velocity by 25% via Git-based trunk development and Jenkins pipelines.

Freelance Data Engineer

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

Key Projects:

- **Client Data Platform Migration to Databricks**

- Architected end-to-end migration of 10TB+ client data from Redshift to **Databricks**, utilizing Delta Lake for ACID compliance and Unity Catalog for governance, reducing query costs by 45%.
- Built automated data quality gates with **Atlan-inspired metadata management**, ensuring 100% compliance with client SLAs across 8+ engagements.

- **Cost-Optimized ETL Framework**

- Designed serverless pipeline using AWS Lambda/Glue with auto-scaling logic, reducing runtime costs by 30% for unstructured data processing workloads.

EDUCATION

| **Master of Science: Software Engineering** | Aug 2015 - Aug 2017 |
| Embry-Riddle Aeronautical University, Daytona Beach, FL |

| **Bachelor of Science: Computer Science** | Aug 2012 - Jun 2016 |
| Nanjing University of Aeronautics and Astronautics, China |

† JD Priority Alignment: Explicitly matches Dropbox's
Databricks/Snowflake/Airflow/Python/SQL requirements

Technical Depth Indicators: 50% latency reduction, \$1.2M cost savings, 99.9% SLA
compliance

Formatting: ATS-optimized with keyword density <8%, JD-critical terms in bold