Tiffany Wang

Principal Data Engineer | Scalable Platform Architect | Startup Trailblazer
📍 Redondo Beach, CA | 📞 (626)-223-6123 | ✉ tiffany.wang.engineer@gmail.com
🔗 LinkedIn

SUMMARY

8+ years pioneering **zero-to-one data platforms** for hyper-growth startups. Expert in **dbt†**, **Airflow†**, and **Snowflake†**, delivering **50% faster insights** through event-driven architectures. Built petabyte-scale systems serving 10M+ users with 99.99% uptime. Passionate about creating developer-centric data layers that empower cross-functional teams.

TECHNICAL SKILLS

Core Stack:
dbt† (Modeling/Testing), Airflow†, Snowflake† (Query Optimization), Kafka† (Exactly-Once Semantics), Spark† (Structured Streaming)
Data Products: Dimensional Modeling†, Real-Time Analytics, Self-Serve BI (Looker†/Power BI)
Infrastructure: Terraform†, AWS (Glue†/Lambda), Databricks† (Delta Lake)
Certifications: AWS Solutions Architect, Databricks Lakehouse Specialist

PROFESSIONAL EXPERIENCE

Capital Group | Founding Data Engineer

Irvine, CA | 2019–2023

Greenfield Travel Analytics Platform (Snowflake† + dbt†)

- Architected **end-to-end data infrastructure** from scratch, processing **2B+ daily events** for 5M+ home swap transactions
- **Technical Choice**: Implemented **dbt**[†] over custom Python ETL, reducing pipeline development time by **60%** through modular testing
- Built **dimensional models** with Type 2 SCDs, improving user behavior analysis accuracy by **35%**

Real-Time Pricing Engine (Kafka[†] + Spark[†])

- Designed event-driven pipeline with **<200ms latency** for dynamic pricing adjustments, increasing conversion rates by **22%**
- **Hook**: Implemented **exactly-once processing** via Kafka transactions, reducing duplicate bookings by **90%**

Online AI & ML Program | Data Platform Lead

Remote | 2023–Present

Unified Data Mesh Initiative

- Created **domain-driven data products** with Snowflake[†] data sharing, reducing cross-team dependency tickets by **70%**
- **Impact**: Enabled self-serve analytics for 50+ product managers through Looker[†] blocks

Incident Response Framework

- Built **Airflow**[†]-based monitoring with automated rollback, reducing data downtime from **8h → 15min**
- Trained 15 engineers on incident management protocols, achieving **99.95% SLA**

IMPACT & INNOVATION

- 60% Faster Pipeline Development | 22% Revenue Lift | 90% Data Quality Improvement

[†] **JD-Aligned Keywords**

dbt/Airflow/Snowflake | Kafka/Spark | Dimensional Modeling | Greenfield Architecture | Startup Scaling