Tiffany Wang

Objective: Senior Data Engineer at Crexi
Phone: (626)-223-6123 | Location: Redondo Beach, CA (Remote/Hybrid Ready)
LinkedIn: linkedin.com/in/tiffanywangengineer | Email: tiffany.wang.engineer@gmail.com

SUMMARY

Data Engineer with 8+ years of expertise in **commercial real estate (CRE) data ecosystems**, **AWS/Snowflake optimization**, and **high-volume ETL pipelines**. Proven track record in building scalable data architectures (Airflow/Spark/Kafka) for $5T+ property value analytics, reducing query latency by 50% and infrastructure costs by 30%+. AWS Certified Architect with hands-on experience in DBT and data governance.

SKILLS

Core Technologies : SQL^{+} (Advanced Query Tuning) | AWS^{+} (Glue, S3, Redshift) | Snowflake^{+} | Airflow^{+}
Big Data Tools : Spark^{+} (EMR) | Kafka^{+} | DBT^{+} | Hadoop/Hive
Data Governance : Data Lineage (OpenMetadata) | Quality Controls (Great Expectations)
Domain Expertise : CRE Analytics | Transaction Data Optimization | Cross-Team Collaboration

EXPERIENCE

Solution Engineer II

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

- **CRE Data Pipeline Architecture**

    - Designed **Spark-optimized ETL pipelines** (AWS Glue + Snowflake), processing 10TB/day of property transaction data, reducing reporting latency from 2hrs to

15min for $540B deal tracking.

- o Migrated legacy MSSQL workloads to **Snowflake**, implementing dynamic resource scaling to cut query costs by $300K/year.
- o Built **Kafka-based event streaming** for real-time bid/ask analytics (5K events/sec), improving market responsiveness by 40%.

- **Governance & Collaboration**

  - o Implemented automated data quality checks (DBT + Great Expectations), reducing SLA violations by 25% for 50+ critical datasets.
  - o Partnered with CRE analysts to translate business KPIs into dimensional models, increasing data usability by 30%.

Freelancer

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

- **Scalable CRE Intelligence Platform**
  - o Architected **Airflow-driven data lake** (S3 + Apache Iceberg) for a CRE client, unifying 15+ data sources (MLS, IoT sensors) into a centralized hub.
  - o Developed **DBT transformations** to automate feature engineering for AI valuation models, improving prediction accuracy by 18%.
  - o Optimized Spark jobs on EMR clusters (100+ nodes), reducing runtime by 35% through partition pruning and broadcast joins.

EDUCATION

M.S. in Software Engineering
Embry-Riddle Aeronautical University | 2015–2017

B.S. in Computer Science
Nanjing University of Aeronautics and Astronautics | 2012–2016

[†] Matches Crexi JD Core Requirements