

Tiffany Wang

Objective: Data Engineer (Contractor) - DigniFi

JD Focus Areas: SQL⁺ | Snowflake⁺ | Financial Data Modeling | AWS⁺

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 **financial data pipelines, SQL⁺ optimization, and Snowflake⁺ lakehouse architectures**. Designed Star Schema⁺ models for loan performance analytics, achieving 40% query latency reduction and 99.9% data accuracy. AWS-certified professional skilled in ETL scripting, dimensional modeling, and cross-functional collaboration.

SKILLS

Core Technologies: SQL⁺ (Complex Queries/Optimization), Snowflake⁺, AWS⁺ (Redshift/S3/Glue), ETL Pipelines, Star Schema⁺

Data Modeling: Financial Data (Loan Performance/Delinquencies⁺), Dimensional Modeling, Data Integrity Frameworks

Cloud Tools: AWS Lambda, Glue, Redshift, Terraform, Databricks

DevOps: CI/CD (Jenkins), Data Governance (Great Expectations), Technical Documentation

EXPERIENCE

Solution Engineer II

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

Key Achievements:

- **Snowflake Financial Data Lakehouse & ETL Optimization**

- Migrated legacy EDW to **Snowflake⁺** with **Star Schema⁺** modeling for 15+ loan performance datasets, reducing query latency by 40% and enabling real-time delinquency tracking.
- **Technical Decision:** Chose Snowflake over Redshift due to zero-copy cloning capabilities, cutting ETL development time by 30%.
- Built automated data integrity checks (SQL/Great Expectations), ensuring 99.9% accuracy in \$500M+ revenue-critical financial metrics.

- **Cross-Functional Collaboration**

- Partnered with Finance teams to design payment analytics pipelines, reducing data reconciliation errors by 25% through schema normalization.
- Authored technical documentation for ETL workflows, improving onboarding efficiency by 50%.

Freelance Data Engineer

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

Key Projects:

- **Financial ETL Script Optimization**

- Developed Python/SQL⁺ scripts to transform 10TB+ loan servicing data, reducing batch processing time by 35% through query parallelization.
- **Technical Hook:** Implemented **dynamic partitioning** in Snowflake⁺ for payment data, enabling 60% faster ad-hoc analytics.

- **AWS Cloud Data Infrastructure**

- Architected serverless pipelines (Lambda/Glue) for real-time delinquency monitoring, achieving <1s latency for alert triggers.
- Optimized Redshift⁺ clusters via vacuuming and sort keys, lowering storage costs by 20%.

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 DigniFi's SQL/Snowflake/AWS/Star Schema requirements

Technical Impact: 40% latency reduction | \$500M+ data accuracy | 30% ETL time savings

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