

# Tiffany Wang

---

**Objective:** Data Engineer - Calm

**Focus Areas:** Python<sup>+</sup> | AWS/GCP<sup>+</sup> | Data Pipelines | HIPAA Compliance

Phone: (626)-223-6123 | Location: Redondo Beach, CA 90277 LinkedIn:

linkedin.com/in/tiffanywangengineer | Email: [tiffany.wang.engineer@gmail.com](mailto:tiffany.wang.engineer@gmail.com)

## SUMMARY

---

**Cloud & Data Engineer** with 8+ years of expertise in **Python<sup>+</sup>-driven pipelines, multi-cloud (AWS<sup>+</sup>/GCP<sup>+</sup>) architecture**, and HIPAA-compliant data systems. Reduced pipeline runtime by 83% via dbt<sup>+</sup>-optimized modeling and accelerated data delivery by 70% through Airflow<sup>+</sup> orchestration. Certified in AWS/GCP with a focus on scalability for 150M+ user platforms.

## SKILLS

---

**Core Technologies:** Python<sup>+</sup>, AWS<sup>+</sup> (Redshift/Glue), GCP<sup>+</sup> (BigQuery<sup>+</sup>/Dataflow), SQL<sup>+</sup>, Databricks<sup>+</sup>

**Data Tools:** Airflow<sup>+</sup>, dbt<sup>+</sup>, Docker<sup>+</sup>, Kubernetes<sup>+</sup>, Terraform<sup>+</sup>

**Modeling:** Medallion Architecture<sup>+</sup>, Data Vault, HIPAA-Compliant Pipelines

**Cloud Integration:** Multi-Cloud (AWS+GCP), Real-time/Streaming (Segment/Kafka)

## EXPERIENCE

---

### Solution Engineer II

Capital Group, Irvine, CA | 2019–2023

**Key Achievements:**

- Multi-Cloud Data Pipeline Optimization

- Designed **Airflow**<sup>+</sup>-orchestrated pipelines across **AWS**<sup>+</sup> and **GCP**<sup>+</sup>, reducing critical data delivery times by 70% through parallelized ETL.
  - **Technical Decision:** Chose **dbt**<sup>+</sup> over custom Python transforms for SQL<sup>+</sup>-centric modeling, cutting model count by 50% and runtime by 83%.
  - Implemented **Medallion Architecture**<sup>+</sup> for HIPAA-compliant data, ensuring 99.9% uptime for 150M+ user analytics.
- **Healthcare Data Security Enhancement**
    - Migrated PHI datasets to **BigQuery**<sup>+</sup> with column-level encryption, achieving 100% HIPAA audit compliance.

## Freelance Data Engineer

Online AI & ML Program | Remote | 2023–Present

### Key Projects:

- **User Feature Store & ML API Development**
  - Built a **BigQuery**<sup>+</sup>-based feature store with Python<sup>+</sup> APIs, enabling real-time content recommendations for 10M+ users.
  - **Technical Hook:** Integrated **Databricks**<sup>+</sup> with Segment-like streaming, reducing persona generation latency by 40%.
- **Cost-Optimized Multi-Cloud Infrastructure**
  - Leveraged **Terraform**<sup>+</sup> to automate AWS/GCP<sup>+</sup> resource provisioning, lowering monthly spend by 25% while maintaining SLA compliance.

## EDUCATION

---

**MS Software Engineering** | Embry-Riddle Aeronautical University | 2015–2017

**BS Computer Science** | Nanjing University of Aeronautics | 2012–2016

**Technical Impact:** 83% runtime reduction | 70% delivery acceleration | 40% latency improvement