

SHANNON ZANDER

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SKILLS

TypeScript, SQL, React, GraphQL (Relay) · GCP, Terraform, Cloud SQL, BigQuery · Stripe Billing, Data Migrations

EXPERIENCE

KeeperTax May 2024 - current

Software Engineer II — Subscriptions & Billing Domain Owner

- Owned the Subscriptions & Billing domain, serving as the primary engineer responsible for correctness, migrations, and production reliability across a platform supporting **1.39M+ users**.
- Led a multi-phase Stripe subscription consolidation, merging 17 legacy monthly plans into a single canonical plan, affecting **50,335 monthly subscribers** and **\$2.1M+ ARR**, representing a material portion of company revenue, with a planned expansion to annual, premium, and business plans.
- Designed and executed a production-safe migration of **~700M rows** across historical transaction data with zero data loss and no customer-facing incidents, operating safely alongside live production traffic.
- Evaluated partitioning strategies through performance testing and intentionally deferred partitioning, consolidating 2022 and 2023 historical tables into a single archive table with a clear path to expand coverage from **2018–2023**.
- Optimized migration performance by deferring index creation until after data movement, avoiding lock contention and capacity exhaustion during high-throughput writes.
- Led cross-database schema evolution across transactions, jobs, allocations, and expenses, resolving long-standing data model limitations while maintaining backward compatibility.
- Simplified subscription and referral data models by removing derived and redundant tables, reducing operational complexity and sources of inconsistency.

Revere CRE June 2022 - April 2024

Software Engineer

Jan 2023 - April 2024

- Built a custom Relay connection handler to support filtered connections at scale, reducing refetches on a dataset with **88M records**, addressing a long-standing Relay limitation first identified in 2017.
- Designed scalability strategies (BigQuery caching, GCP task queues, eventually-consistent Dagster pipelines) to support a **52k+ user platform processing \$26B+ in transactions**.
- Led end-to-end launch of a new product vertical as lead engineer and product owner, expanding total addressable market by **300%** and coordinating execution across engineering, product, and design.

Junior Software Engineer May 2022 - Dec 2022

- Promoted to mid-level engineer within 8 months.

EDUCATION

Web Development / App Academy June 2021 - May 2022

BA Philosophy and Classics / Whitman College / GPA 3.6 2015 - 2019

- Dual Honors in Philosophy and Classics (one of 5 graduates)
- Associated Students of Whitman College Outstanding Leadership Award