

## Summary

Engineer with experience building scalable and secure, foundational data platforms and self-service data products in fast-paced, startup environments

## Experience

### Chord / Senior Data Platform Engineer — Remote APRIL 2024 - PRESENT

Skills: Python · SQL · dbt · Snowflake · Dagster · Terraform · Bash · Docker · AWS · Github Actions · Datadog

- Established a multi-year strategic plan to build a future-proof data engineering technology stack capable of scaling a high-growth start-up
- Migrated multi-tenant data pipelines containing thousands of dbt models from cronjobs to orchestration platform, vastly improving observability and management of ELT lifecycles
- Built foundational Terraform modules and CI/CD workflows to provision next-generation data engineering platforms and standardizing how resources are configured and deployed securely in cloud environments
- Led efforts to harden security across the data engineering technology stack, including enforcement of federated authentication for local development and developing a credentials manager CLI to quickly rotate secrets
- Introduced rigorous incident management and postmortem processes to ensure ongoing SOC II compliance
- Mentored engineers across multiple teams on effectively leveraging IaC tools and concepts to stand-up scalable and secure software applications in AWS

### Highspot / Data Engineer — Seattle, WA SEPTEMBER 2022 - MARCH 2024

Skills: Python · SQL · dbt · Snowflake · Dagster · Terraform · Bash · Docker · AWS · Github Actions

- Evaluated, piloted and established an orchestration platform to mature Highspot's data pipelining capabilities. Used Terraform to manage cloud infrastructure in AWS and introduced the use of Github Actions to stand up robust CI/CD pipelines to manage deployments.
- Spearheaded several cost-saving initiatives including a service to automatically update materialization strategy based on usage, saving over 100K USD per year
- Created a data quality and pipeline health testing framework to surface actionable error messages in a logging and monitoring platform
- Developed an extensible Python-based database client, standardizing how engineers, scientists and analysts programmatically interact with Snowflake
- Introduced and evangelized the adoption of dbt to simplify database migrations and transformations, paving the way for more self-service data modeling and increasing team velocity

### Convoy / Data Engineer — Seattle, WA AUGUST 2019 - JUNE 2022

Skills: Python · R · SQL · dbt · Snowflake · Airflow · Bash · Docker · AWS · Terraform · CircleCI

- Developed a realtime reporting dashboard with dozens of business monitoring metrics enabling operations and senior staff to make quick, data-informed decisions
- Designed and implemented a fully automated pipeline to generate and share key insights to hundreds of external partners

## Languages & Technologies

**Highly Experienced** Python · SQL · dbt · Snowflake · Git · Github Actions · Bash · Docker · AWS (EC2/ECS, ECR, S3, RDS, IAM) · Terraform · Dagster · ETL/ELT · CI/CD

**Experienced** Airflow · CircleCI · R · Linux · Elasticsearch/Kibana · Datadog · Jira · Asana · Data modeling · Data visualization

**Working Knowledge** Kubernetes · Javascript (Node.js/React) · Tableau · Looker · GCP · Kafka · Streaming data

## Education

**University of Washington / B.A., Geography** 2014 - 2017