Gerald Shin

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ANALYTICS ENGINEERING MANAGER

Analytics engineering leader with 8+ years of experience building scalable data platforms, modernizing legacy analytics ecosystems, and leading cross-functional engineering initiatives across healthcare, SaaS, and financial services.

Hands-on technical leader with a track record of owning platform architecture, building production-grade pipelines, driving analytics transformation, and developing engineers. Proven ability to turn fragmented, manual reporting environments into governed, automated, scalable data products that improve decision velocity and organizational leverage.

EXPERIENCE

Prime Therapeutics — Principal Analytics Engineer / Analytics Engineering Manager

Mar 2025 – Present

- Own analytics engineering strategy for pricing and underwriting initiatives supporting enterprise healthcare decision-making.
- Architected and launched a production-grade automated data pipeline in Kubernetes/GKE using Dagster, Python, SQL, and BigQuery, replacing fragmented legacy workflows with tested, scalable data products and eliminating 2000+ hours of manual work annually.
- Led modernization of legacy VBA/Excel operational workflows into a scalable Django application framework, improving maintainability and reducing operational risk.
- Manage and develop a team of analytics engineers across performance management, technical mentorship, career development, and delivery execution.
- Serve as technical lead across analytics, engineering, and business stakeholders to drive enterprise-level data platform initiatives.
- Established architecture standards, technical documentation practices, and technical interview processes for analytics engineering hiring.

Prime Therapeutics — Senior Analytics Engineer **Aug 2023 – Feb 2025**

- Rebuilt legacy reporting ecosystems into scalable self-service analytics products for analysts and health plan managers, reducing analytics latency from weekly/monthly cycles to daily stakeholder access.

- Built Python ingestion pipelines against external Medicaid APIs and created governed BigQuery production data assets.
- Automated ingestion of 75+ Excel workbook tabs into GCP Cloud Storage, eliminating recurring manual operational work.
- Migrated legacy SAS reporting into optimized, tested, automated BigQuery reporting layers that serve over 40 stakeholders.
- Established delivery operating standards across GitHub, JIRA, and Confluence to improve engineering consistency and team velocity.
- Mentored 2–3 engineers through code review, architecture guidance, and technical coaching.

SentinelOne — Senior BI Engineer **Aug 2022 – Jun 2023**

- Led profitability-by-product analytics initiative enabling senior leadership across Sales, GTM, and Customer Success to monitor ARR, product margin, and revenue performance.
- Built production ETL workflows integrating BigQuery, Salesforce, email systems, and operational business data.
- Migrated spreadsheet-driven workflows into governed GCP and Tableau environments.
- Used Terraform and Spacelift to productionize scheduled queries, tables, and views.

Signify Health — Senior BI Engineer **May 2020 – Aug 2022**

- Built executive-facing financial and operational analytics products supporting strategic decision-making.
- Automated reporting workflows and validation pipelines using Python, pandas, and PostgreSQL.
- Automated quarterly client-facing reporting packages for over 500 clients, dramatically reducing manual reporting overhead.
- Established dashboard QA/testing standards and engineering practices for code quality, documentation, and repository hygiene.
- Mentored junior engineers through code review and technical guidance.

Highmark — Senior Technical Tableau Developer (Contract) **Nov 2019 – May 2020**

- Delivered enterprise analytics dashboards across the full product lifecycle.
- Built Python-based ingestion, transformation, and API integration workflows for reusable analytics data sources.

Intalere — Data Engineer **Mar 2019 – Nov 2019**

- Developed analytics products in partnership with business stakeholders.
- Built PySpark workflows in Databricks against large-scale datasets in Azure Data Lake.
- Administered multi-node Tableau Server infrastructure.

Earlier Experience

PSECU — Data Analyst *(2018)*
Built reporting solutions and modernized SQL-based analytics workflows.

Belco Community Credit Union — Market Research Analyst *(2017–2018)*
Delivered executive-facing market analysis and business insights.

Select Medical — Billing Analyst *(2016–2017)*
Analyzed billing and payment data using Excel and applied payments to patient accounts.

TECHNICAL PROJECTS

Personal Portfolio and Resume Platform – geraldshin.com

Django • Python • GCP Cloud Run • Docker

- Designed and deployed a cloud-hosted personal portfolio platform using Django and GCP Cloud Run.
- Built reusable, JSON-driven components to dynamically render professional experience, skills, and project content.
- Developed responsive user interfaces using Bootstrap and custom styling.
- Implemented production deployment, environment configuration management, and source control workflows using GitHub.

EDUCATION

Millersville University — B.A., Economics

Professional Development: DataCamp Data Certifications in Python, statistics, data cleaning, visualization, and machine learning