Richard Railton

linkedin.com/in/rrailton | github.com/rrailton | data@richardrailton.dev | +1 (408) 641 – 5835

Professional Summary

Analytics engineer specializing in building scalable, production-grade data products with dbt. Combines analytical depth with engineering rigor to design reliable data architectures, automated observability, and self-service reporting that drive revenue growth and product innovation.

Work Experience

Senior Data Analyst | Anatomy Financial | San Mateo, CA   **Jan 2025 - Present**
- Led the end-to-end data analytics lifecycle, from data architecture and pipeline development to modeling and reporting, to inform product strategy and business decisions
- Drove a 7% increase in revenue by developing a new billing model that identified and corrected inaccuracies in existing logic
- Improved product reliability by creating observability models and automated alerting systems that proactively identify document pipeline issues, leading to a significant reduction in troubleshooting time
- Designed and implemented a scalable dbt Core project from the ground up, delivering trusted, well-tested data products that power automated enterprise reporting and support rapid product and customer growth

Data Analyst III | Maven Clinic | New York, NY   **Jan 2023 - Nov 2024**
- Influenced product roadmap and contributed to millions of dollars in prospective annual bookings by providing data-driven insights on employee/clinic coverage and geographic analysis
- Utilized K-means clustering in Python to identify optimal provider locations, directly supporting successful contract negotiations for one of Maven's largest clients
- Scaled automated reporting for thousands of clients by building new data models, consolidating metrics, and implementing comprehensive testing in dbt
- Increased revenue by overhauling the logic for enrollment verification, which captured 3x more errors and reduced lost revenue

Data Analyst | Costa Express | Loudwater, England   **May 2017 - Aug 2021**
- Reduced operational downtime by up to 60% through in-depth analysis of alarm data, providing actionable insights for operators
- Supported experimental promotions by identifying control groups and analyzing the impact on sales to inform future marketing campaigns
- Developed and implemented new marketing metrics and reporting to track campaign performance, improving campaign management and visibility
- Led the development of a bespoke reporting platform, from business case and requirements gathering to user acceptance testing and training

Education and Certifications

- **Advanced dbt Certification** | Uplimit (2024)
- **Data Science and Data Analytics Certificate with Honors** | UCSC Silicon Valley Extension (2022)
- **Python, Statistics & Calculus** | UC Berkeley Extension (2021)
- **Economics and Geography, Master of Arts with Honors** | University of Aberdeen (2013)

Technical Skills

- **Languages:** SQL, Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn), R (tidyverse)
- **Data Engineering & ETL:** Airflow (Cloud Composer), BigQuery, Fivetran, dbt Core/Cloud, Git
- **BI & Visualization:** Looker, Power BI, Tableau, Sigma, Excel, VS Code, Jupyter
- **Statistical Methods:** Experimentation, Hypothesis Testing, Regression Analysis, Clustering