

Kavin Shah

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SUMMARY

Highly motivated Analytics Engineer with 3+ years of experience leveraging data to drive insights and inform multiple strategies. Skilled in data analysis techniques, data visualization, and data pipeline automation. Proven ability to collaborate with cross-functional teams to translate complex data into actionable recommendations for improving engagement and performance.

SKILLS

Databases/Languages	Google BigQuery, MySQL, MsSQL, OracleSQL, PostgreSQL, IBM DB2, Python
BI/Reporting Tools	Looker, Looker Studio, Tableau (Tableau Desktop Specialist 2020), Power BI, Ms Excel
Tools	Talend, Alteryx, GCP

PROFESSIONAL EXPERIENCE

Homesite Insurance – Boston, USA Jan 2022 – Present

Product Analyst/Data Analyst – BI and Dashboard Team

Feb 2023 – Present

- **Streamlined Data Flow in GCP** - Owned multiple data structures within Google Cloud Platform as a SME. Collaborated with Data Engineering and Data Governance teams to ensure smooth data flow, optimizing content delivery for end users.
- **Spearheaded Migration of Critical Datasets to BigQuery** - Demonstrated initiative by taking ownership of migrating critical datasets from SQL Server to BigQuery. This eliminated the manual process and resulted in a significant 95% reduction in processing time, expediting data availability for faster analysis and decision-making.
- **Enhanced Data Accessibility with User-Centric Queries** - Developed efficient SQL queries based on user feedback, significantly improving data accessibility and usability for analysts by 50%.
- **Automated Looker Studio Reports to retire legacy tools for 75% Efficiency Gain** - Automated multiple excel and SAS reports in Looker Studio, reducing analysis time for Product Analysts and State Managers by an average of 75%. This streamlined analysis and decision-making for data-driven strategy.
- **Collaborated with Data Engineering to Build a Unified BI Dataset**
 - Built Airflow pipelines to create a comprehensive BI Layer dataset, consolidating data from 4 operating companies.
 - Standardized data definitions and metrics across all companies, ensuring data consistency and facilitating accurate analysis.
 - Established a single source of truth for querying and generating dashboards, streamlining analytical process and data exploration for stakeholders. This significantly decreased the number of ad-hoc requests by 80% due to querying simplicity and resulted in a 35% reduction in analysis time for teams.
- **Created Optimized and Comprehensive Looker Dashboards** – Led the cross-functional initiative to build efficient and comprehensive dashboards in Looker. Utilized LookML to establish an efficient data structure, enabling data-driven strategy.

Business Intelligence Associate - Tools and Insights Team

Jan 2022 – Jan 2023

- **Delivered High-Performance Dashboard for 10 billion Row Dataset** - Successfully delivered a complex dashboard in Looker that conveyed a key metric from a massive dataset (10+ billion rows) with a sub-10 second response time using advanced sql concepts.
- **Monitored Profitability Initiatives for \$1 Billion Impact** - Led multiple profitability-focused initiative monitoring projects, collaborating across teams to track initiatives targeting over \$1 billion in increased profitability.
- **Mentored multiple Co-ops & Ensured Project Success** - Provided guidance on business and technical concepts, assisted with project management, and ensured successful project completion.
- **Empowered users through "Snack and Learn" sessions** - Equipping them with Looker Studio & BigQuery skills and introducing the concept of CTEs for query optimization. This resulted in a double win: a 15% reduction in ad-hoc requests due to user self-sufficiency, and a 20-40% decrease in analysis turnaround time.

Arizona Department of Education, Data Reporting Analyst – Recruitment and Retention – Phoenix, USA

Apr 2021 – Jan 2022

- **Streamlined Data Reporting & Communication for Stakeholders**
 - Owned the entire data reporting lifecycle for internal stakeholders (directors, chief of staff, superintendent). This included data collection, pre-processing, validation, and creating complex queries for insightful visualizations.
 - Effectively communicated insights through compelling dashboards tailored for both technical and non-technical audiences.
- **Automated Data Request Process & Improved Efficiency** - Analyzed historical data requests to automate the data collection process, saving at least 50% of time across 4 teams. This streamlined content delivery and freed up valuable resources for further analysis.
- **Optimized Reporting Queries for Faster Insights** - Enhanced reporting queries in Power BI by leveraging advanced techniques. This resulted in a significant 15% reduction in wait time for ad-hoc reports, improving user experience for data consumers.

Data Assistant – Northeastern University (Co-Op MGEN) – Boston, USA

Aug 2020 - Dec 2020

Database Developer & Analyst Intern – Granite Telecommunications LLC – Quincy, USA

Aug 2019 - Dec 2019

RELATED PROJECTS

8-week SQL challenge | (SQL, Data Analytics)

Jun 2021 – Jan 2022

- https://github.com/KavShah/Danny-s_8WeekSQLChallenge/blob/main/README.md

Data analysis with Python | (Python, IBM Watson)

Jun 2020 – Jul 2020

- <https://github.com/KavShah/Data-Analysis-with-Python>

Tableau Dashboards | (Tableau, Data Analysis)

Jun 2019 – Apr 2020

- https://public.tableau.com/app/profile/kavin.shah/viz/IMDB-Actor_Director/Dashboard1

