Sanket Hosamani
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Experience Summary:

Manas Solutions | SQL Developer **Sep- 2021 to Jan 2025**
Craft Silicon | SQL Developer **Jan-2025 to Mar-2025**
Impact Bigdata Analytics **June-2025 to Present**

Education:

Bangalore institute of technology Aug 2021

PROFESSIONAL SUMMARY

Sql developer and dataengineering with 3.7+ years of experience building scalable SQL pipelines, designing semantic metric layers, and optimizing high-cost analytical workloads. Skilled at operating across Data Engineering, Analytics Engineering, and Data Science to deliver end-to-end analytical solutions.

TECHNICAL SKILLS

- **Programming & Frameworks:** Python (NumPy, Pandas, SciPy, Scikit-learn), SQL, Excel
- **Data Engineering & Cloud:** Apache Airflow, BigQuery, PostgreSQL, Google Cloud Platform (GCP), Docker
- **Visualization & Collaboration:** Tableau, Git
- **ETL & Integration Tools:** SSIS (SQL Server Integration Services), Data Flow Tasks, Execute SQL Tasks, For Each Loop Containers
- **Database Objects:** Stored Procedures, Functions, Triggers, Views, Indexed Views, Cursors
- **Performance Optimization:** Query Tuning, Execution Plan Analysis, Indexing, SQL Profiler, Database Engine Tuning Advisor
- **Data Modeling:** Relational Database Design, Normalization, Dimensional Modeling
- **Debugging & Troubleshooting:** Root Cause Analysis (RCA), Debugging Stored Procedures, Error Handling in SQL
- **Database Management & Query Languages: SQL** Server, MySQL, T-SQL, ETL Development, SQL Server Agent Job Scheduling, Dynamic SQL

PROJECTS

1. Core Data Engineering / Analytics Engineering

- Built and maintained end-to-end ETL pipelines using Airflow and BigQuery, integrating data from MySQL, Snowflake, and SFTP to enable reliable forecasting and automated reporting for retail clients.
- Developed a Python + Jinja–based dynamic SQL generation framework that automated multi-layer transformation logic, reducing client onboarding timelines from 3 weeks to 1 week by parameterizing business variables.
- Designed and implemented custom business-logic SQL for 35+ clients, enabling accurate KPI calculations, analytics, and reporting tailored to diverse retail use cases.
- Refactored 200+ high-cost BigQuery SQL queries using partitioning, clustering, window functions, optimized joins, and CTE restructuring—improving execution performance by ~50% and reducing query costs by ~40%.
- Created reusable table-creation and ingestion automation scripts to standardize client onboarding, reducing go-live timelines by ~80%.
- Built and maintained a comprehensive data dictionary and semantic layer framework that reduced metric inconsistencies by ~70% and standardized onboarding-ready schemas for new clients.
- Owned and supported end-to-end Airflow DAGs, including extraction and ingestion workflows, proactively debugging pipeline failures and performing root-cause analysis (RCA) to ensure data reliability.

Tech Stack: Python, SQL, Jinja, Airflow, BigQuery, Snowflake, MySQL, GCP, ETL, EDA, Tableau, NumPy, Pandas, Matplotlib, Seaborn, Docker, PostgreSQL

2. Scalable Multi-Client Data Ingestion Platform

- Spearheaded the design and implementation of a client-agnostic, scalable data ingestion platform actively used across 30+ clients, standardizing sourcing, ingestion, and data modeling workflows.

- Collaborated cross-functionally with Data Engineering, DevOps, SQL, and Product teams to build reusable frameworks for master, derived, and modeling tables, scaling ingestion pipelines to handle 100M+ records efficiently.
- Leveraged Airflow, BigQuery, PostgreSQL, Docker, and GCP services to automate ingestion workflows, implement QC and validation bots, and significantly improve pipeline reliability across clients.
- Reduced client onboarding timelines from several months to just a few weeks through standardized automation and reusable ingestion frameworks.
- Currently leading ongoing maintenance and scalability initiatives, ensuring consistent, high-quality data availability for data science and AI-driven solutions across multiple enterprise clients.

Tech Stack: Python, BigQuery, PostgreSQL, Apache Airflow, Google Cloud Run, Docker, PySpark, Databricks, CI/CD

3. Federal Insurance Management System (IMS) | SQL Server

- Collaborated with team leads, technical managers, and clients to gather system requirements, communicate new developments, and implement functional enhancements effectively.
- Developed, optimized, and maintained complex SQL scripts, stored procedures, triggers, and constraints to support premium calculations, form management, and application customization.
- Implemented SQL performance tuning strategies, including query optimization and indexing, reducing query execution times by ~30%.
- Enhanced stored procedures to onboard new insurance carriers and manage policies by state and line of business, ensuring compliance with business rules and regulatory requirements**.**