

Milan Gabriel

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Technical Skills

- **Languages:** Python, SQL
- **Data Engineering:** Azure Databricks (ADB), Azure Data Factory (ADF), Azure Data Lake Storage, Azure DevOps, SQL, PySpark, ETL, PowerShell, S3
- **Cloud:** Azure, AWS
- **Visualization & Analytics:** Power BI, Amazon QuickSight, Matplotlib, Seaborn, Tableau

Professional Experience

SR. Team Leader – Tenders & Pricing (Data & Analytics Focus)

B&S Group

(August 2016 – Present)

- Built and maintained enterprise-wide Power BI & Python Streamlit dashboards for SKU-level pricing analytics, serving 50+ global stakeholders across procurement and sales teams.
- Designed automated data pipelines using Python, SQL and Excel VBA to extract, transform, and load data from multiple sources, reducing manual reporting effort by 60%.
- Developed reusable data models and analytical frameworks adopted across 5+ departments, standardizing reporting processes and improving data consistency.
- Performed customer segmentation and pricing analysis on transactional datasets, enabling data-driven tender strategies that improved win rates by 18%.
- Implemented data quality checks and validation rules ensuring 99% accuracy in weekly executive reports.
- Mentored team members on data visualization best practices, SQL querying, and analytical techniques, building internal data literacy.

Key Project & Technical Experience

SFO Airport Analytics Data Platform

- Architected and deployed end-to-end airport analytics platform on Azure, processing 2M+ records from SF Open Data API using Azure Data Factory, Databricks (PySpark), and Delta Lake with medallion architecture (Bronze/Silver/Gold layers).
- Designed star schema dimensional model with 4 dimension tables and 3 fact tables optimized for analytics, achieving sub-3-second query response times and supporting 5+ years of historical data.
- Built automated ETL pipelines with Python-based data quality framework implementing validation rules, error handling, and email alerting, achieving 99%+ pipeline reliability and completing daily loads within 30 minutes.
- Developed executive Power BI dashboards with DAX measures and row-level security serving 4 stakeholder groups, enabling data-driven decisions on gate utilization (15% efficiency improvement potential), route performance, and operational KPIs.
- Implemented cost-efficient cloud architecture with Azure Data Lake Gen2 lifecycle management and automated orchestration, maintaining full platform operations under \$200/month while supporting self-service analytics.

Certifications

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| • Microsoft Certified: Azure Data Fundamentals (DP-900) | In Progress |
| • Microsoft Certified: Azure Data Engineer Associate (DP-203) | Planned 2026 |
| • Databricks Certified Data Engineer Associate | Planned 2026 |