SRINIVASA KOMMIREDDY

Chicago , IL | +1 8058716548 | srinik27@outlook.com | LinkedIn | GitHub | Website

SUMMARY

Microsoft Certified Fabric Analytics Engineer Associate (DP-600) with 4+ years building the analytics transformation layer—turning raw operational data into tested, documented, business-ready datasets and a governed metrics/semantic layer for self-service reporting. Strong in SQL, Python, and PySpark, with a track record of improving reliability and speed through automated validations, exception workflows, and secure access patterns (RLS/least-privilege). Delivered measurable impact including 87% faster claims triage (24h→3h), 25–35% safe auto-approvals, and 2–3 days faster reporting cycles across reinsurance, banking, and healthcare.

PROFESSIONAL EXPERIENCE

BI Engineer - Claims & Operations Analytics| Swiss Re | United States **Nov 2024 – Present**

- Engineered Palantir/SQL curated datasets + Power BI semantic model to standardize parametric and indemnity claims logic, codifying complex business rules to automate pre-approval validation and metric-consistent reporting
- Built Python/PySpark transformations to cleanse, normalize, and enrich claims data with policy terms and trigger attributes, reducing median triage time 87% (24 hours → 3 hours) and accelerating low-complexity payouts
- Implemented automated data quality + validation checks using SQL + Python (schema consistency, null/range rules, cross-field logic), cutting manual validation effort 50% and reducing reconciliation exceptions 40%
- Deployed rule-based logic gates + exception reporting in Power BI to route edge cases to review while enabling 25–35% safe auto-approval for straightforward claims outcomes
- Developed Power BI operational dashboards (drill-through, bookmarks, RLS) to monitor triage SLAs, auto-approval performance, and exception drivers, improving day-to-day decisioning and reducing rework through faster issue isolation
- Partnered with Actuaries and Claims Leads to validate payout logic, document assumptions, and maintain controlled rule updates, ensuring analytics outputs stayed aligned to evolving risk thresholds and policy language

Data Analyst - Supply Chain Analytics | Johnson & Johnson | INDIA **Oct 2021 – Jul 2023**

- Modeled a supply chain analytics mart using SQL (defined grain, built shipment + inventory facts, standardized product/location/time dimensions) to deliver consistent KPIs and eliminate disruption-driven data silos
- Built reusable Alteryx + SQL transformation workflows to ingest SAP ERP inventory and 3PL shipment files, producing dashboard-ready datasets that reduced manual Excel reporting 30–40% and improved refresh reliability
- Created governed Tableau data sources + dashboards for inventory health and "at-risk" shipments (customs holds, port congestion), improving upstream visibility by 5–7 days and enabling planner self-service
- Implemented SQL-based data quality and business-rule validation (null/duplicate checks, key integrity, ETA vs. actual anomaly logic) to strengthen trust in operational signals and reduce critical implant stockouts 15–20%

Data Analyst – Risk and Regulatory Analytics | Wells Fargo | INDIA **Aug 2020 - Sep 2021**

- Automated quarterly FR Y-14Q regulatory reporting pipelines using SAS + SQL to extract, transform, and assemble loan/capital/PPNR datasets for supervisory stress-testing submissions, shortening monthly reporting cycles by 2–3 days.
- Engineered a repeatable SQL transformation layer (standardized business rules, schedule-ready views, traceable outputs) to produce business-ready regulatory datasets with consistent definitions across reporting runs.
- Implemented automated data quality + edit-check validation in SQL/SAS (null/range checks, referential integrity, cross-field rule checks) to cut manual validation 30–40% and improve first-pass submission readiness.
- Strengthened governance for sensitive supervisory data by applying least-privilege access controls and supporting secure submission packaging aligned to Fed collection/transfer workflows, improving auditability while reducing exposure risk

SKILLS

- **Analytics Engineering (Transform/Test/Document):** dbt (models, incremental strategies, macros/packages), modular SQL, semantic/metrics layer, documentation & lineage
- **SQL & Data Modeling:** Advanced SQL (CTEs, window functions), dimensional modeling (star/snowflake), canonical entity design, warehouse optimization (partitioning/clustering/materializations)
- **Data Quality & Observability**: dbt tests + freshness checks, data validation frameworks (Great Expectations or equivalents), alerting/monitoring for pipeline & metric breaks
- **Orchestration & CI/CD**: Airflow/Dagster/Prefect concepts, Git-based workflows (branching/PRs), CI checks for data models and safe deployments
- **Warehouses & Platform**s:Cloud data warehouses/lakehouses(Snowflake/BigQuery/Redshift/Databricks), ELT patterns, cost/performance tuning concepts
- **BI Enablement:** Power BI semantic modeling + governed KPIs (DAX, RLS), stakeholder-facing metrics definitions, self-service dataset design
- **Programming:** Python (pandas) for utilities/automation, PySpark for scalable transformations and data prep

MASTER OF SCIENCE INFORMATION TECHNOLOGY - St. Francis College **Aug 2023 - Dec 2024**

CERTIFICATIONS

- **MICROSOFT CERTIFIED: POWER BI DATA ANALYST ASSOCIATE**
- **MICROSOFT CERTIFIED: FABRIC ANALYTICS ENGINEER ASSOCIATE**