

# SAYALI N.

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## PROFILE SUMMARY

Data Expert with 9+ years of experience delivering **large-scale data migrations, cloud integrations, ETL/ELT pipelines, and enterprise data modeling** across FinTech, SaaS, Infrastructure, and Energy. Expert in **SQL, Python, Spark (PySpark), Databricks, Snowflake, GCP, AWS, dbt, Airflow**, and modern BI ecosystems (Power BI, Tableau, Qlik Sense). Skilled at **designing ingestion architectures, migrating ERP/CRM/HRIS systems, developing robust data lakes/warehouses**, optimizing pipelines with Spark/Databricks, and building automated validation frameworks to ensure accuracy, lineage, and governance. Experienced bridging business, engineering, and cloud teams to deliver secure, scalable, production-grade data products that improve **data quality, operational efficiency, planning accuracy, and executive decision-making**.

## PROFESSIONAL EXPERIENCE SUMMARY

### Business System Analyst IV/ Program Manager    INTUIT

Feb 2025 – present

FinTech Senior Analyst in Technical Strategy and Planning team for Quickbooks and Turbotax, supporting executive financial (FP&A) planning through scalable data architecture, analytics, automation.

- Engineered **cross-system ELT pipelines** integrating Workday, ICIMS, and Salesforce into Snowflake via **Databricks (PySpark + Delta Lake), dbt, and GCP**, increasing data accuracy by **40%** and eliminating ingestion failures.
- Accomplished a **40% increase in data accuracy** by building automated ELT pipelines migrating Workday, ICIMS, and Salesforce data into Snowflake via GCP + Databricks using PySpark, SQL, dbt.
- Increased cross-system data accuracy by 40%** by engineering Databricks + GCP → Snowflake ELT pipelines unifying Workday, ICIMS, and Salesforce into governed financial models used for FP&A planning. (*Databricks, PySpark, SQL, Snowflake, dbt, GCP*)
- Improved forecasting, planning cycle time by 30%** by automating dbt-driven ELT workflows with SQL + Python transformations, orchestration, enabling near real-time visibility for FP&A and Workforce Planning. (*SQL, Python, dbt, Databricks, Snowflake*)
- Strengthened enterprise-wide planning accuracy by 5-7%** by aligning cost models, workforce metrics, expense drivers, and revenue components into a unified Snowflake financial data lake with enforceable RBAC controls. (*Snowflake RBAC, dbt, Confluence*)
- Enhanced data governance by 40%** by implementing dbt schema tests, reconciliation checks, and lineage documentation across ERP/HRIS/CRM pipelines, reducing planning discrepancies and audit issues. (*dbt tests, Databricks, SQL, GCP*)
- Eliminated multi-system ingestion failures** by deploying schema alignment rules, field mapping logic, and metadata-driven transformations for Workday, NetSuite, Oracle, and Salesforce migrations. (*Python, SQL, Databricks*)
- Enabled executive-level workforce and revenue reporting** by consolidating 10+ enterprise systems into standardized models powering Qlik, Power BI, and planning dashboards. (*Snowflake, SQL, Power BI, Qlik Sense*)
- Resolved architecture conflicts across ERP, CRM, HRIS, and GCP** by driving a single-source-of-truth design, improving data trust, lineage clarity, and financial planning consistency. (*Databricks, Snowflake, Data Modeling*)
- Improved auditability and GAAP-aligned reporting by 40%** by designing governed financial data layers with dbt snapshots, SCD logic, and multi-domain reconciliation workflows. (*dbt Snapshotting, SQL, Snowflake*)
- Reduced enterprise reporting latency by 40%** by converting spreadsheet-driven FP&A models into Snowflake + BigQuery SQL pipelines integrated with Qlik Sense dashboards. (*SQL, BigQuery, Qlik Sense*)
- Enhanced cross-functional planning accuracy by 5% by aligning cost models, project accounting metrics, and resource demand forecasts across FP&A, PMO, and Cost Accounting teams. (Power BI, DAX, Oracle ERP)
- Reduced enterprise financial reporting latency by 40%** by engineering automated cross-system ELT pipelines integrating Workday → GCP → Snowflake, enabling real-time GAAP-compliant Financial Ops visibility. (*Python, SQL, Snowflake, GCP*)
- Resolved cross-system architecture conflicts** during annual planning by driving alignment on a single-source-of-truth design integrating ERP, HRIS, CRM & data lake sources.
- Accelerated cloud adoption across Finance & Planning teams** by creating process maps, RACI matrices, lineage documentation, and training materials for newly deployed Snowflake/ELT pipelines. (*Confluence, Lucidchart*)

### Data Analyst/ FP&A Data Expert

### CHARGE EPC

Jan 23 – Jan 2025

Worked on multiple infrastructure projects associated with the gas/electric giants for better decision making, business, operations & financial performance cross-functional teams. Part of the Planning/ Operations team.

- Reduced monthly financial discrepancies by 60%** by redesigning **cost & billing ETL pipelines** and embedding anomaly detection aligned with GAAP variance & cost accounting rules. (*Oracle ERP, SQL, Power BI, Python*)
- Led **end-to-end ERP migration** (Foundation → Viewpoint Vista → SAP components) including schema mapping, transformation rules, and validation frameworks, reducing integration defects by **60%**. (*SQL, Python, ERP mapping tools*)
- Built production-grade **ETL pipelines** for cost, billing, and project accounting datasets using **SQL, Python, Power BI ingestion**, and automated validations—reducing discrepancies by **60%** across 1,000+ projects.
- Reduced monthly financial discrepancies by 60%** by redesigning cost + billing ETL pipelines aligned to GAAP and cost accounting rules, implementing anomaly detection and automated reconciliations. (*SQL, Python, Oracle ERP*)
- Led **end-to-end ERP migration with 60% defect reduction** by engineering schema mapping, validation rules, and ingestion frameworks for Foundation → Viewpoint Vista → SAP components. (*SQL, Python*)
- Improved project cost visibility by 35%** by developing standardized dashboards for burn rate, labor utilization, overhead, and revenue across 1,000+ projects. (*Power BI, DAX, SQL*)
- Accelerated month-end close by 3 days** through ELT automation of WIP, cost, GL, and project controls data with governed KPI definitions. (*SQL, Power BI, Oracle ERP*)
- Established master data governance reducing mismatches by 30%** by creating ingestion-ready schemas, dimension hierarchies, and validation automations across ERP + field systems. (*SQL, dbt, Snowflake*)
- Reduced client-impacting integration failures by 50%** by diagnosing ingestion issues, API failures, schema drift, and transformation errors. (*Python, SQL*)

- Prepared cloud migration readiness by designing an AWS-aligned ingestion pattern (S3 → SQL pipelines) and metadata-driven transformations for ERP + operational systems. (*AWS S3, SQL*)
- Mentored interns/ junior analysts on SQL validations, dashboard design, ERP workflows, migration documentation. (*SQL, Power BI*)
- Delivered data stories and insight presentations to leadership, translating complex datasets into clear recommendations that influenced operational planning and metric definitions. (*Power BI, Tableau, Snowflake*)
- Enabled 5% improvement in project forecasting accuracy by developing portfolio-level models informing CFO's capital allocation, cash flow scenarios, and investment decisions.
- Developed operational BI dashboards visualizing pipeline health, throughput, and KPI trends, enabling operations and leadership teams to make insight-driven decisions. (*Power BI, SQL*)
- Enhanced data integrity and reporting accuracy by engineering SQL-based validation frameworks that identified anomalies, reconciled mismatched records, and reduced data discrepancies by 60%. (*SQL, dbt, Snowflake*)
- Partnered with CFO, PMO, and cost accounting teams to define financial KPIs, standard costing templates, and reporting structures mapped to GAAP-compliant project accounting.
- Supported multi-million-dollar investment plans by delivering CFO-grade cost models, scenario analysis & ROI assessments.

#### Data Analyst

#### B2U STORAGE SOLUTIONS

May 2022 – Dec 2022

Second Life EV batteries are utilized to generate electricity which is sold for commercial use. Analyzed data to optimize performance and managed supply chain and inventory.

- Reduced asset breakdown costs by 25% by building real-time Power BI dashboards integrating IoT, ERP, and maintenance data to monitor asset health & cost drivers. (*Power BI, DAX, SQL, Python*)
- Integrated IoT sensor data, ERP, CRM, and asset systems into a unified cloud-based analytical model—similar to AWS/GCP pipeline architectures—reducing asset breakdown costs by 25%. (*Python, SQL, Power BI*)
- Reduced asset breakdown costs by 25% by integrating IoT sensor data with ERP + maintenance systems and building real-time asset health dashboards. (*Power BI, DAX, SQL, Python*)
- Improved forecasting accuracy by 20% by developing demand, sales, and maintenance prediction models tying cost-of-operations with supply chain metrics. (*Python, SQL*)
- Increased data reliability by diagnosing ingestion failures related to schema drift, timestamp mismatches, and null anomalies, stabilizing pipelines. (*Python, SQL*)
- Enhanced audit compliance by establishing governing metadata structures for SAP, Oracle, asset datasets with reconciliations, lineage.
- Reduced master-data inconsistencies by designing ingestion models for IoT + ERP data, enabling storage, real-time monitoring.
- Unlocked a 12% improvement in ROI by developing cost-benefit models for refurbish-vs-replace scenarios using asset depreciation + operational efficiency data. (*Python, Excel*)
- Strengthened reporting capabilities by building unified cloud-style analytical models similar to AWS/GCP architectures for asset health and throughput analysis. (*SQL, Python*)

#### Product Data Engineer/ FP&A Analyst

#### INTELLECT DESIGN ARENA LTD.

Dec 2017 – Sept 2020

Awarded for successful, on time and in full delivery of Fintech / banking payment processing product(SaaS) 'iPSH' in iGTB and Insurance Fraud product 'Xponent' for established banks in North America.

- Improved transaction approval rates by 18% by analyzing payment processing data and optimizing fraud detection models for a North American bank. (*SQL, Python, Tableau*)
- Reduced reporting latency by 45% in SaaS product analytics by developing automated GTM data pipelines integrating Salesforce, marketing platforms, and Snowflake. (*SQL, Python, Snowflake*)
- Integrated Salesforce + marketing systems + Snowflake to produce executive dashboards on revenue, LTV, GTM funnel economics.
- Improved fraud detection accuracy by 18% by analyzing payment processing data and optimizing approval-rate algorithms for a North American banking client. (*SQL, Python, Tableau*)
- Created KPI frameworks & automated reporting templates improving product team decision speed and Financial Ops visibility.

#### Business Data Analyst(Marketing Analytics)

#### GLOBUZZ MEDIA

Jan 2016 – Dec 2017

Marketing startup analyst performing duties across Data, Digital Marketing Analytics, CRM,etc

- Built executive dashboards for campaign ROI & customer segmentation, improving digital strategy decisions by 30%. (*Tableau, SQL*)

#### EDUCATION

• <u>MS in Business/ Data Analytics</u>	California State University, EastBay	Dec 2022
• <u>Post Graduate Diploma in Advanced Computing (CDAC)</u>	University of Pune	Dec 2017
• <u>Bachelor of Computer Engineering</u>	University of Pune	Jun 2016

#### SKILLS

**ERP, CRM, HRIS Integration & Migration:** Workday Financials, Oracle ERP, SAP, NetSuite, HCSS, ICIMS, Salesforce, Anaplan, Concur/Travel systems, Asset Tracking tools, ERP Role Design, SOD, SOX Controls, ITGC, Audit Readiness, UARs, GAAP Compliance Alignment, Metadata & Master Data Governance, Data Quality Diagnostics & Reconciliation, Schema Mapping, Databricks.

**Analytics:** GAAP Accounting Concepts, Financial Close Support, Variance Analysis, Standard Costing, Absorption Costing, WIP Tracking, Forecasting, Budgeting, Revenue Modeling, OPEX/CAPEX Modeling, Workforce Planning, Scenario Planning.

**Data Engineering & Automation:** SQL, Python(Pandas, NumPy, Scikit-learn), Snowflake, GCP, AWS, BigQuery, dbt, Airflow, Data Quality/Lineage, Data Warehousing, ETL/ELT, Metadata Automation.

**Data Science & AI/ ML:** AI-Assisted Analytics (LLM Querying, Automated Data Storytelling), Predictive Modeling & Feature Engineering

**Cloud & Big Data:** Hadoop, Spark, Hive, BigQuery (GCP), AWS, Azure.

**Business Intelligence:** Power BI, Tableau, Qlik Sense, Sigma, DAX, KPI Frameworks, Predictive Analytics, Anomaly Detection, Executive BI Dashboards (Product, Ops, Finance), Data Storytelling & Insight Communication.

**Documentation & Enablement:** SOPs, Process Maps, RACI Charts, Training Delivery, Confluence Documentation, Lucidchart, Audit Trail Design, Governance Frameworks.