

Christian S. Calvo

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Power BI Data Analyst | Business Intelligence | Operations & Systems Analytics

Microsoft Certified: Power BI Data Analyst Associate

July 2026

PL-300 | Power BI | DAX | Power Query | Semantic modeling | [Verify Credential](#)

ITIL Foundation Certificate in IT Service Management (Version 5)

July 2026

Incident management | Problem management | Change enablement | Service value system | Continual improvement

PROFESSIONAL SUMMARY

Power BI data analyst with three years of industrial laboratory experience, Microsoft PL-300 certification, and ITIL 5 Foundation certification. Builds analysis-ready data models, DAX measures, Power Query transformations, SQL and Python validation workflows, and management dashboards that convert operational data into measurable KPIs. Combines hands-on StarLIMS and operations-reporting experience with working knowledge of production support, incident and problem analysis, data synchronization, API authentication, QA/UAT, and controlled-change practices.

TECHNICAL SKILLS

Business Intelligence: Power BI Desktop, Power BI Service, DAX, Power Query, semantic models, interactive dashboards, KPI design, executive reporting

Data, Modeling, and Automation: SQL, Snowflake, Python, pandas, Excel, ETL, star schemas, fact and dimension tables, time intelligence, data validation, LaTeX documentation

Operational Systems: StarLIMS (hands-on), laboratory workflows, analytical testing data, production-support reporting, data-integrity controls, LIMS platform concepts for LabWare, Dotmatics, and Benchling

Production Support and Integration Knowledge: ITIL incident, problem, and change practices; data synchronization; scheduled jobs; API authentication and tokens; log analysis; QA/UAT support; controlled deployment concepts

Platform Familiarity: SQL Server, PostgreSQL, Amazon Redshift, Elasticsearch, AWS S3, Grafana, Linux, Git, Jenkins, Kafka

PROFESSIONAL EXPERIENCE

Laboratory Technician III

April 2023–Present

Freeport-McMoRan

Miami, Arizona

- Perform analytical testing and laboratory operations supporting metallurgical processes, production decisions, quality requirements, and continuous plant operations.
- Serve as a key StarLIMS user supporting sample-lifecycle execution, data integrity, reporting requirements, workflow documentation, and first-line troubleshooting.
- Analyze laboratory and production-support data to identify turnaround-time trends, SLA performance, backlog indicators, late-sample severity, re-runs, and workflow bottlenecks.
- Develop Power BI dashboards and KPI logic for sample volume, average turnaround time, on-time performance, pending workload, re-run rate, and operational stability.
- Structure StarLIMS and Snowflake data into analysis-ready datasets aligned with laboratory workflows, reporting definitions, and management requirements.
- Build dimensional models, reusable DAX measures, and Python validation workflows for interactive filtering, period comparisons, drill-down analysis, and consistent KPI calculation.
- Investigate data discrepancies, delayed or missing results, reporting inconsistencies, and workflow interruptions by tracing source records, process steps, and downstream outputs.
- Use structured, ITIL-informed troubleshooting and documentation practices to assess impact, capture evidence, communicate workarounds, and support controlled operational changes.
- Maintain instrument accuracy and data integrity through recalibration, drift correction, quality checks, documentation, and time-sensitive testing prioritization.

Private Tutor

September 2020–February 2023

Physics, Mathematics, and Chemistry

Málaga, Spain

- Tutored high school students in quantitative subjects, adapting instruction to individual learning needs and academic objectives.
- Explained complex concepts and structured problem-solving methods clearly while developing targeted lessons and practice materials.

FEATURED ANALYTICS PROJECTS

Mining Laboratory Performance Dashboard

Power BI | Python | DAX | Operations Analytics

- Built an end-to-end operations analytics solution for sample workload, turnaround time, SLA compliance, re-runs, pending samples, lateness severity, and bottleneck analysis.
- Designed a star schema with fact and dimension tables for samples, dates, instruments, technicians, operating areas, departments, sample types, and SLA rules.
- Created DAX measures for sample volume, average turnaround time, SLA compliance, re-run rate, pending workload, average/median/maximum lateness, and selected-period comparisons.
- Added dynamic comparison logic allowing users to switch between year-over-year analysis and comparisons against year-to-date averages.
- Built Python workflows to validate KPI outputs, compare operational groups, summarize monthly performance, and generate repeatable management insights.

Multi-Entity Financial Consolidation Dashboard

Power BI | DAX | Budget Analysis | Financial Reporting

- Consolidated transaction and budget data across six campground entities into a standardized reporting model with aligned accounts and reusable business logic.
- Developed executive KPIs for revenue, gross profit, operating expense, net income, margin, and budget achievement.
- Created month-to-date, year-to-date, prior-year, year-over-year, and selected-period DAX measures for consistent financial analysis.
- Designed Budget-versus-Actual reporting and variance analysis by entity, account, expense category, customer, and reporting period.
- Built management visuals for revenue and net-income trends, entity comparisons, top expenses, customer performance, and financial review priorities.

ADDITIONAL ANALYTICS WORK

- **Laboratory KPI Reporting System:** Integrated Snowflake, Python, Power BI, and LaTeX into a repeatable workflow for KPI validation, management review, and executive reporting.
- **Monthly Composite Analyte Forecasting Tool:** Developed a forecasting and anomaly-detection workflow to estimate expected analyte ranges and flag deviations for review.
- **LIMS Data Enablement:** Supported StarLIMS data integrity, workflow documentation, reporting access, inventory concepts, and barcode-enabled process-improvement prototypes.

ANALYTICS AND OPERATIONS CAPABILITIES

- Translate business and operational questions into measurable KPIs, reporting requirements, dimensional models, validation rules, and dashboard designs.
- Determine whether reporting logic belongs in source SQL, Power Query transformations, calculated columns, or reusable DAX measures.
- Trace data issues across source records, transformations, synchronization points, scheduled processes, interfaces, and downstream reports.
- Apply incident, problem, and change-management concepts to prioritize business impact, document evidence, test corrections, and verify recovery.
- Support QA/UAT thinking through representative test data, expected-result validation, defect documentation, auditability, and controlled-change principles.
- Communicate technical findings through clear visualizations, concise summaries, operational context, and practical recommendations.

EDUCATION

Electrical Engineering Coursework

Universidad de Málaga | Málaga, Spain

207/240 ECTS Completed

High School Diploma

IES Leopoldo Queipo | Melilla, Spain

PORTFOLIO

Project demonstrations, dashboards, and documentation: christianscalvobi.com