

MOJTABA PEYROVIAN

mojtaba.peyrovian@gmail.com • 438-528-5985

[LinkedIn profile](#), [GitHub](#)

SUMMARY

- Proficient in Power BI and Microsoft Fabric with 5 years of experience in designing, developing, and deploying BI solutions along with practical knowledge of advanced programming (Python, Java), data science, AI/ML and statistical analysis.
- Domain expertise in aviation analytics, geospatial (spatial) data processing, financial reporting, and retail performance optimization.
- Excellent communication skills, problem-solving abilities and a proven track record of collaborative teamwork. The ability to work effectively independently.

Education

Graduate Diploma in Computer Science | 2022-2023

Concordia University, Montreal, QC

- Relevant Courses: Operating Systems • Data Structures • Database Systems Design • Software Engineering Tools & Techniques

Bachelor of Science in Industrial Engineering | 2012-2017

K. N. Toosi University of Technology

- Relevant Courses: Management Information Systems • Operations Research • Engineering Economics • Statistics • Probabilities

Certifications

- [Microsoft Certified: Fabric Analytics Engineer Associate](#)
- [Microsoft Certified: Power BI Data Analyst Associate](#)

SUMMARY OF SKILLS AND QUALIFICATIONS

Applications | Power BI (Data Modeling & Transformation, Visualization & Reporting, Design Best Practices & Scalable Analytics, Performance Optimization, Security & Governance, Automation & DevOps, Integration & Connectivity, Collaboration) • Microsoft Fabric (OneLake, Data Factory, Data Engineering, Data Science, Data Warehousing, Real-Time Analytics, Power BI Integration) • Power Automate • Microsoft SQL Server (DBMS, SSIS, SSAS, SSRS) • Azure Analytics Stack (Synapse Analytics, Data Factory, Data Lake Storage, Fabric) • Tableau

Programming Languages & Frameworks | SQL (T-SQL, PL/SQL, complex queries, window functions, query optimization) • DAX (complex measures, performance tuning) • M Query • Python (pandas, matplotlib, seaborn, plotly, scikit-learn, PyTorch, Statsmodels, REST APIs) • R (statistical modeling, data visualization) • C++ • C# • Java (Spring, Play) • JavaScript (React) • PHP • HTML • CSS • Scala • VBA.

Platforms | • Azure • AWS • Snowflake

Other Tools | MS Office (Word, Excel, PowerPoint, Access) • MS Project • MS Visio • Jira • Confluence • Git • GitHub • Azure DevOps • Data Profiler Tools • PowerShell for automation • Visual Studio • VS Code • IntelliJ • PyCharm • Jupyter Notebook • R Studio • SQL Profiler

Methodologies & Concepts | Data Science • Data Visualization • Data Reporting • Data Stories Business Intelligence • Dimensional Modeling (Kimball) • Data Quality • Security and Data Governance • Database Performance Tuning • DevOps • CI/CD Pipelines • Agile (Scrum) • Requirement gathering and documentation • Stakeholder Management • PMBOK • BABOK Machine Learning • Statistical Analysis • Time Series Analysis and Forecasting • Optimization • Data Sharing Programs

Domain Experience | Familiarity with Spatial (geospatial analytics, mapping) Aviation Data (operational metrics, turbulence event analysis, schedule data) • Financial (cost analysis, KPIs, forecasting, Insurance) • Retail (sales performance, inventory optimization)

Soft Skills | Problem-solving, teamwork, adaptability, oral and written communication, storytelling, effective independent working, critical thinking, commitment to continuous learning, time management, attention to detail, and the ability to work effectively under pressure.

WORK EXPERIENCE

Intern in Aviation Data Analytics | June 2024- Present

International Air Transport Association (IATA), Montreal, Quebec

Responsibilities:

- Developing sophisticated aviation analytics dashboards in Power BI, transforming raw aviation and spatial datasets into actionable insights on operational trends, safety metrics, and performance benchmarks.
- Utilizing SQL, Python, and R to analyze large-scale aviation and geospatial data, identifying patterns that enhanced data integrity and informed strategic decision-making.
- Collaborating with cross-functional teams to design robust, scalable data models that supported key initiatives, ensuring data-driven decision support.
- Implementing comprehensive data quality checks and KPI monitoring dashboards, maintaining accuracy and reliability in critical aviation and spatial data repositories.

Achievements:

- Created a Comprehensive Turbulence Analytics BI dashboard in Power BI as a PoC, integrating aviation and spatial data to provide actionable insights that improved safety assessments and operational responses
- Developed a Power BI dashboard to track the progress of Data Engagement programs, enabling stakeholders to evaluate the effectiveness of aviation data initiatives and identify areas for continuous improvement.
- Conducted thorough data quality assessments on aviation and spatial datasets, strengthening trust in analytical outputs and supporting more informed strategic planning.

Core Competencies:

- Critical thinking, problem-solving, adaptability, and effective teamwork in data-centric, cross-functional environments.
- Proficient in data analysis, data warehousing, and ensuring high data quality, with a focus on aviation and spatial datasets.
- Expertise in designing, optimizing, and deploying Power BI solutions (Power BI Service, semantic models, dataflows, deployment pipelines, performance tuning).
- Skilled in working with cloud-based databases (Snowflake, Athena) to support scalable, high-performance data ecosystems.
- Programming proficiency in SQL, Python, R, DAX, and M Query for advanced analytics, statistical modeling, and geospatial data manipulation.

Business Intelligence Developer | Jan 2022 - Oct 2022**Bun Group****Responsibilities:**

- Designed and built data warehouses using dimensional modeling and the Kimball methodology, enabling efficient, scalable analytical workflows.
- Developed and maintained robust ETL pipelines with SSIS, ensuring reliable, high-quality data integration from diverse sources.
- Optimized OLAP database performance in MS SQL Server environments, including fine-tuning SSAS cubes for accelerated query response times.
- Created and published interactive dashboards in Power BI and Report Builder, leveraging Power BI Report Server for secure enterprise distribution.
- Provided end-to-end technical support, collaborating with stakeholders through development, testing, implementation, and maintenance phases of BI solutions.

Key Achievements:

- Developed a financial data mart using MS SQL Server, improving the accuracy, speed, and accessibility of financial reporting.
- Created dynamic sales dashboards, empowering management to quickly identify trends, measure performance, and optimize sales strategies.

Core Competencies:

- Critical thinking, problem assessment, analysis, and effective teamwork in cross-functional environments.
- Proficiency in Power BI, MS SQL Server, SSIS, SSAS, and SSRS, enabling end-to-end BI solution delivery.
- Skilled in SQL, DAX, MDX, M Query, and Python for advanced data manipulation, modeling, and analytics.

Business System Analyst, reporting and analytics | Sep 2018 - Dec 2021**Sarmad Insurance****Responsibilities:**

- Developed and delivered Power BI reports and interactive dashboards, effectively communicating insights to decision-makers and improving data visibility.
- Conducted comprehensive data analysis to uncover patterns, trends, and insights, guiding data-driven decision-making processes.
- Utilized SQL to efficiently gather, cleanse, and integrate data from multiple sources, maintaining high standards of data quality and accuracy.
- Supervised and mentored a team of junior analysts, delegating tasks, monitoring progress, and ensuring the timely delivery of high-quality reports.

Key Achievements:

- Designed and deployed operational and sales BI dashboards, enhancing transparency and enabling faster, more informed decisions.
- Built a sales network performance dashboard, empowering stakeholders to identify opportunities for growth and performance optimization.

Core Competencies:

- Critical thinking, problem assessment, analytical skills, and teamwork, ensuring cohesive and effective project execution.
- Proficiency in Power BI and Microsoft Excel, enabling the creation of insightful, data-driven visualizations.
- Skilled in SQL, DAX, M Query, and VBA for robust data manipulation, modeling, and automation