Gurinder Pal Singh

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# Professional Summary

Experienced Data Engineer and Solution Specialist with over 7 years of expertise in designing and implementing data strategies. Proficient in cloud-based data ecosystems (Azure and GCP), advanced ETL development, and creating impactful data integrations. Strong leader adept at facilitating cross-functional collaboration, managing technical teams, and delivering data-driven solutions. Proven success in utilizing tools like Dayforce, Azure Data Factory, Power BI, and Python to streamline operations and drive business outcomes.

# Technical Skills

- Statistical Tools: Alteryx, SAS, MATLAB  
- Cloud Platforms: Azure (Data Lake, Data Factory, Synapse, ML), GCP  
- ETL Tools: Azure Data Factory, Google BigQuery, Power Query  
- Programming & Analytics: Python, SQL, R, JSP  
- Data Visualization: Power BI, Tableau, Looker Studio  
- Integration & Architecture: REST APIs, Advanced Data Models, Data Schemas  
- Project Management Tools: Jira, Confluence, Agile/Scrum  
- Collaboration Tools: Jira, Asana, Slack, Microsoft Teams

# Professional Certifications

- Microsoft Certified: Azure Data Engineer Associate  
- Microsoft Certified: Power BI Data Analyst (PL-300)  
- Microsoft Certified: Azure Fundamentals  
- Certified Project Management Professional (PMP)

# Professional Experience

## Data Integration Specialist | SkipTheDishes

Jan 2018 – Apr 2023

- Designed and maintained scalable ETL solutions, integrating Dayforce data with operational databases to optimize workforce management.  
- Implemented predictive models using Python and Azure ML, achieving 90% accuracy in demand forecasting.  
- Developed reusable Power BI templates and dashboards, enabling stakeholders to gain actionable insights in real time.  
- Enhanced operational efficiency by automating reporting processes, reducing manual effort by 60%.  
- Collaborated with IT and business teams in agile environments, delivering data solutions on time and within budget.  
- Integrated Git-based version control for ETL scripts and workflows, ensuring traceability and facilitating collaboration.  
- Migrated legacy data workflows to Google BigQuery (GBQ), enhancing performance and scalability.  
- Implemented Dayforce-specific analytics to optimize employee scheduling and payroll processes.

## Senior Data Analyst | SkipTheDishes

Sep 2019 – Apr 2023

- Created interactive dashboards in Power BI for real-time operational and strategic insights.  
- Improved reporting accuracy by automating manual processes using Python and SQL.  
- Supported leadership with data-driven insights, resulting in a 22% cost reduction through targeted operational improvements.  
- Mentored a team of junior analysts, fostering a culture of collaboration and knowledge sharing.  
- Designed advanced integrations between Dayforce and operational databases, enabling streamlined workforce management.  
- Implemented Git-based workflows for version control of data visualization assets.  
- Leveraged Google BigQuery (GBQ) to centralize and optimize data analytics processes, reducing query execution times by 35%.

## Senior Data Engineer | Red River College

May 2023 – Present

- Automated ETL workflows and integrated systems using Azure Data Factory and Power BI, reducing data processing time by 40%.  
- Designed advanced data schemas and models for optimized data storage and retrieval, ensuring seamless scalability and compliance.  
- Spearheaded resource allocation models, reducing program waitlists by 30%.  
- Partnered with leadership to implement robust data quality benchmarks and improve decision-making frameworks.  
- Acted as a technical lead for cross-departmental data integration projects, ensuring alignment with business objectives.  
- Developed Python-based automation scripts to streamline data validation and preprocessing, significantly reducing manual intervention.

# Key Projects

- Dayforce Data Integration\*\*: Automated data extraction and integration processes between Dayforce and Azure Data Factory, ensuring accurate and timely reporting.  
- Cloud Migration & Optimization\*\*: Migrated legacy systems to Azure, achieving a 25% reduction in infrastructure costs and enhancing data scalability.  
- Predictive Analytics\*\*: Developed demand forecasting models using Python and Azure ML, enabling efficient resource planning during peak periods.  
- Centralized Data Catalog\*\*: Implemented a searchable catalog for metadata management, reducing data retrieval time by 30%.  
- Enterprise Governance Framework\*\*: Established data governance protocols for compliance and consistency across systems.

# Education

- Professional Development Certificate in Data Science and Machine Learning (Ongoing)\*\*  
 McGill University  
  
- Master’s in Data Sciences\*\*  
 Carleton University  
  
- Master’s in Engineering (Electronics)\*\*  
 Punjab Technical University  
  
- Bachelor’s in Engineering (Electronics)\*\*  
 Punjab Technical University