IRESH AGRAWAL

Data Engineer

Phone: 8707481550 | Email: iresh.agrawal23@gmail.com

LinkedIn: linkedin.com/in/iresh-agrawal23

Hiring Manager

[Company Name]

Re: Application for Data Engineer Position

Dear Hiring Manager,

I am writing to express my strong interest in the Data Engineer position at your organization. As a results-driven data engineer with 3.7+ years of experience architecting enterprise-scale cloud-native data platforms, I have a proven track record of delivering transformative data solutions that achieve measurable business impact—including 60%+ performance improvements, 100% SLA compliance, and zero production defects across Fortune 500 retail and insurance clients.

In my current role as Senior Executive – Software Engineer at **EXL Services**, I architect enterprise-grade Data Vault 2.0 models in Snowflake for a leading global insurance provider. I have successfully designed and implemented Raw Vault, Business Vault, and Clean Vault layers across multiple subject areas, establishing audit-compliant and analytics-ready data foundations that support regulatory reporting and business intelligence. Beyond data modeling, I have orchestrated 20+ database schema releases using Jenkins CI/CD and GitHub, implementing XML-based master changelogs for controlled, auditable database change management. I also engineered standardized data ingestion frameworks using Shell scripting, which eliminated environment-specific dependencies and improved deployment reliability by 100%.

Previously, as Associate Consultant at **Capgemini**, I spearheaded a Unity Catalog migration for a 50TB+ enterprise data platform on Azure Databricks for a global FMCG/retail giant. This initiative achieved a remarkable 62.5% reduction in pipeline execution time and a 98% decrease in production defects by implementing Medallion Architecture across Bronze-Silver-Gold layers. I also optimized complex data transformation pipelines processing 100+ Azure Data Factory sources using advanced PySpark and SQL techniques, increasing throughput by 40% and reducing data latency by 50% for time-sensitive retail analytics. My management of end-to-end CI/CD pipeline lifecycle for 10+ production releases resulted in 100% on-time delivery with zero rollback incidents.

My technical expertise spans the modern data engineering stack, including:

• **Cloud Platforms & Architecture:** Azure Databricks, Snowflake, Azure Data Factory, Unity Catalog, with deep expertise in Data Vault 2.0 and Medallion Architecture design patterns

• **Big Data Engineering:** Apache Spark, PySpark, distributed data processing, advanced SQL optimization, and scalable ETL/ELT pipeline development

• **DevOps & Automation:** Jenkins, Azure DevOps Pipelines, GitHub version control, CI/CD orchestration, and automated testing frameworks

• **Data Governance & Quality:** Implementation of comprehensive data quality frameworks, regression validation, and audit-compliant data modeling

I am **Microsoft Certified: Azure Data Engineer Associate (DP-203)** and hold additional certifications in Azure Fundamentals and Databricks Generative AI. My commitment to excellence has been recognized through multiple awards, including the Exceeding Expectations Award at EXL Services and two Silver Star Awards at Capgemini for leading high-impact migrations and maintaining 100% SLA compliance.

I am excited about the opportunity to bring my blend of modern data architecture expertise, cloud-native engineering skills, and proven DevOps maturity to your team. I am confident that my track record of delivering scalable, high-performance data solutions that directly support critical business analytics aligns perfectly with your organization's goals. Thank you for considering my application. I look forward to discussing how I can contribute to your continued success in your data journey.

Sincerely,

Iresh Agrawal