

Iresh Agrawal

Data Engineer

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Hiring Manager [Company Name] [Company Address]

Re: Application for Data Engineer Position

Dear Hiring Manager,

I am writing to express my enthusiastic interest in the Data Engineer position at your organization. With over 3.5 years of hands-on experience, I have evolved from building foundational data pipelines to architecting complex Data Vault solutions and orchestrating CI/CD workflows across both Azure and Snowflake ecosystems. I am driven by a passion for building scalable, high-performance systems that directly support critical business analytics.

In my current role as a Software Engineer - Senior Executive at EXL Service, I support a global insurance leader (AIG) by designing sophisticated Data Vault 2.0 architectures. My work involves developing Clean, Raw, and Business Vault layers using Hubs, Links, and Satellites to ensure auditable historical tracking. Beyond data modeling, I have taken ownership of the DevOps lifecycle, using Jenkins and GitHub to manage XML-based database change logs and automate schema deployments across development, QA, and production environments.

Previously, during my tenure at Capgemini, I led critical data initiatives for a global retail giant (Unilever). My focus was on high-volume optimization and platform migration using Azure Databricks and PySpark. I successfully led a Unity Catalog migration that resulted in a 98% reduction in production issues and optimized data migration processes to reduce runtime by 62.5%.

My core technical competencies and achievements include:

- **Cloud & Architecture:** Mastery of Snowflake (Data Vault 2.0) and Azure Databricks (Medallion Architecture).
- **DevOps Orchestration:** Managing CI/CD pipelines via Jenkins and version control via GitHub to streamline multi-project releases.
- **Performance Engineering:** Improving pipeline efficiency by 40% through advanced SQL and PySpark optimization.
- **Reliability:** Reducing manual intervention by 40% through rigorous ETL automation.

In addition to my experience, I am Microsoft Certified: Azure Data Engineer Associate (DP-203) and hold certifications in Databricks Generative AI. I approach every challenge with a solution-oriented mindset, ensuring that technical execution always aligns with business goals.

I am confident that my blend of modern data architecture, cloud expertise, and DevOps maturity aligns perfectly with your team's goals. Thank you for considering my application. I look forward to the opportunity to discuss how I can contribute to your organization's continued success in its data journey.

Sincerely,

Iresh Agrawal