

Mayank Gulaty

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LinkedIn | GitHub | Irish Citizen

PROFILE

An experienced Data Engineer and Assistant Vice President with over 9 years of expertise in designing scalable data architectures and cloud solutions. Proven track record in migrating legacy data warehouses to AWS and Snowflake, optimizing ETL pipelines for multi-terabyte datasets, and establishing robust data governance frameworks. Proficient in Big Data technologies (Spark) and orchestration, with a strong focus on building reliable, observable data systems that empower analytics and machine learning teams.

TECHNICAL SKILLS

Languages	Python, SQL, Advanced SQL
Cloud	AWS (S3, Glue, Lambda, EMR), Snowflake, Redshift
Big Data	Apache Spark (PySpark), Hadoop, ETL Pipeline Design
Tools	Apache Airflow, Git, CI/CD, Docker, Jira
Governance	Data Lineage, Data Quality Frameworks, Compliance

WORK EXPERIENCE

Citi | Dublin, Ireland

01/2022 – Present

Assistant Vice President, Data Engineer

- Cloud Migration Architecture:** Leading the strategic migration of the in-house legacy data warehouse to AWS and Snowflake, designing scalable schemas that improve query performance.
- Big Data Pipelines:** Developed and optimized scalable data pipelines using Python and Apache Spark, processing terabytes of data to deliver actionable insights.
- Orchestration & Automation:** Orchestrated complex ETL workflows using Airflow to ensure timely data availability and minimize pipeline downtime.
- Data Governance & Lineage:** Established comprehensive data governance and lineage frameworks, creating a unified view of data dependencies.
- Analytics Engineering:** Partnered with Data Science teams to build feature stores and refine data processing for machine learning models, optimizing efficiency by 30%.
- Performance Optimization:** Engineered pipeline improvements that reduced data ingestion time by 50%, enabling faster decision-making.
- Team Leadership:** Mentored a team of junior data engineers, fostering a culture of technical excellence and achieving a 40% improvement in team delivery metrics.

Citi | Dublin, Ireland

02/2021 – 01/2022

Apps Dev Intermediate Programmer Analyst

- **Application Modernization:** Spearheaded the integration of modern cloud technologies into existing applications, enhancing scalability and user experience.
- **Engineering Excellence:** Led cross-functional development projects, ensuring high code quality through rigorous testing and adherence to CI/CD best practices.
- **System Optimization:** Tackled complex programming challenges to optimize application performance and reliability.
- **Mentorship:** Acted as a primary mentor for junior programmers, conducting code reviews and guiding technical development.

Citi | Dublin, Ireland

01/2017 – 02/2021

Apps Dev Programmer Analyst

- **Software Development:** Developed and enhanced core software applications, focusing on robust data handling and functionality.
- **Code Optimization:** Analyzed and refactored codebases to improve efficiency and maintainability.
- **Problem Solving:** Resolved critical technical issues and bugs, ensuring smooth application operations.

Nagarro | Gurugram, India

08/2015 – 11/2015

Junior Associate, Technology

- Provided troubleshooting and technical support for enterprise technology projects.
- Collaborated with senior developers on technology initiatives and rapid prototyping.

EDUCATION

National College of Ireland

01/2016 – 01/2017

MSc in Data Analytics (First Class Honors)

UPES

01/2011 – 01/2015

B.Tech in Computer Science (Open Source Specialization)

CERTIFICATIONS

- **Snowflake:** Hands On Essentials – Data Warehouse, Data Applications, Data Sharing
- **AWS:** Machine Learning Foundations
- **Udacity:** AI Programming with Python Nanodegree
- **SQL:** Writing Advanced SQL Queries