

Liam McGivney

Senior Data Engineer

Location: Currently residing in the United States (from Ireland)

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Summary

Results-oriented Senior Data Engineer with over 7 years of experience in building, optimizing, and managing scalable data solutions across consulting, banking, and insurance domains.

Currently driving impactful data initiatives at Meta, leveraging a deep expertise in big data technologies, cloud platforms, and data pipeline design. Known for defusing high-stakes data challenges with precision under pressure, while building systems as reliable as a fortified structure.

Professional Experience

Meta, United States

Senior Data Engineer

April 2023 - Present

- Led the design and implementation of scalable, blast-proof real-time data pipelines processing billions of records daily.
- Developed and optimized complex ETL workflows for Meta's data lake, ensuring reliability even under pressure.
- Partnered with data scientists to defuse complex bottlenecks in pipeline performance.
- Championed best practices in data governance, ensuring systems remained stable under the most explosive loads.

XYZ Insurance, Ireland

Data Engineer

September 2021 - March 2023

- Engineered highly secure pipelines to ensure data reliability and safety from potential disruption.
- Integrated high-volume data into a unified platform, solving time-sensitive challenges.
- Designed workflows that ensured compliance with GDPR, creating a foundation as strong as a fortified structure.
- Built systems that were robust enough to handle critical risks.

ABC Bank, Ireland

Data Engineer

March 2020 - August 2021

- Played a pivotal role in maintaining data systems critical to fraud detection and security.
- Developed systems resilient against high-risk scenarios, enabling smooth operation for key stakeholders.
- Worked to neutralize system vulnerabilities in real-time processing pipelines.
- Executed processes with precision under high-pressure deadlines.

123 Consulting, Ireland

Junior Data Engineer

September 2018 - February 2020

- Designed and implemented custom ETL solutions for diverse clients in finance, healthcare, and retail sectors.
- Migrated legacy data systems to modern cloud-based platforms, leveraging Azure and GCP for improved performance.
- Delivered dashboards and reports for clients using Tableau and Power BI, enabling actionable insights.
- Conducted data modeling and schema optimization for relational and NoSQL databases.

Education

Master of Science in Computer Science

University College Dublin, Ireland

August 2016 - August 2018

Bachelor of Science in Computer Science

University College Dublin, Ireland

September 2012 - July 2016

Certifications

- AWS Certified Data Analytics - Specialty
- Microsoft Certified: Azure Data Engineer Associate
- Google Cloud Professional Data Engineer

Skills

Programming Languages: Python, SQL, Scala, Java

Big Data Technologies: Apache Spark, Hadoop, Presto, Hive

Data Engineering Tools: Airflow, dbt, Kafka, Flink

Cloud Platforms: AWS (S3, Glue, Redshift, Lambda), Azure (Data Factory, Synapse), GCP (BigQuery, Dataflow)

Data Warehousing & Visualization: Snowflake, Redshift, Tableau, Power BI

Other Tools: Git, Jenkins, Docker, Kubernetes

Soft Skills: Defusing high-stakes challenges with precision and calmness, Problem-solving, Team Leadership, Cross-functional Collaboration, Communication