Claire McGonigal

Data Engineer

Data Engineer with 3+ years experience delivering production grade data pipelines and cloud data platforms predominantly using Azure, Databricks and PySpark. Most recently worked at Accenture on enterprise data transformation projects, specialising in API ingestion, ETL/ELT pipelines, and scalable analytics infrastructure. Background in UK government data governance brings strong data quality, compliance and documentation standards for engineering work.

Contact

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Address
UK (open to relocation & remote work)

Education

2015

Bachelor of Science (BSc), International Equine and Agricultural Management
Royal Agricultural University

2022

Code First Girl's Data Degree
Code First Girls

Skills

- Python
- SQL
- Pyspark/ Apache Spark
- Microsoft Azure tech stack
- Databricks
- Azure Synapse
- Version Control
- Docker
- Microsoft Fabric
- Github / Github Actions
- Terraform
- API integration

Employment

Jan 2023 - Jan 2025: Redkite - Accenture, London
Data Engineer

Designed and delivered, for multiple global clients, modern data infrastructure and pipeline architectures in cloud environments. Key responsibilities include:
- ETL/ELT pipeline design and implementation using Azure Data Factory, Synapse, and Databricks for both batch and streaming data workloads.
- Built reusable API ingestion frameworks for third-party and internal REST APIs, handling token refresh, pagination, dynamic schema handling, and fault tolerance.
- Authored clean, modular PySpark code on Azure, Databricks and Microsoft Fabric, improving performance and maintainability of data transformations on MPP systems.
- Collaborated with client stakeholders and cross functional teams to translate buisness requirements into scalable data models.

Jan 2022 - Dec 2022: Cabinet Office, London
Data Officer

Worked closely with the Head of Data Management on numerous projects, including:
- Led data quality assessments and validation checks across government datasets, improving accuracy and consistency for policy and reporting use-cases.
- Authored and reviewed data governance and management policies, influencing data standards across teams.
- Acted as Tableau partnership manager, coordinating vendors, internal stakeholders, and delivery timelines.
- Supported data analysis and reporting initiatives used by senior management.

Oct 2018 - Aug 2021: Whales English (remote)
Online English Teacher

Experienced ESL teacher for preschool to teen learners, excelling in clear communication, interactive lesson plans, and stakeholder management (students, parents, coordinators) via tailored instruction and transparent feedback to build confidence and language proficiency.

Mar 2017 - Mar 2018: Buckland International Education Group
On site English teacher at a school in Dongkou, Hunan, China

Mar 2015 - Apr 2016: Atkin Grant & Lang Shooting School and Gunmakers
Club & Events Coordinator

Coordinated club activities and events, managing schedules, vendors, clients, and logistics for seamless execution and high participant satisfaction. Promoted club visibility and boosted member engagement.

Certifications

- Microsoft Certified: Azure Data Engineer Associate
- Microsoft Certified: Azure Data Fundamentals
- Databricks Apache Spark
- Databricks Lakehouse Fundamentals
- Databricks Generative AI Fundamentals
- Google startup school: Gen AI
- Datacamp data engineer associate
- CS50 Introduction to Computer Science, HarvardX