

Kapil Srivastava

Coventry, United Kingdom

kapilsrivastavauk27@gmail.com | <https://www.linkedin.com/in/kapilsrivastavadata/> | +447355261008

PROFESSIONAL SUMMARY

Data Engineer with 3+ years of experience building scalable data platforms across financial services and mortgage lending. Currently delivering AWS-based data solutions and analytics-ready datasets, with expertise in ETL/ELT pipelines, dimensional modelling, and cloud data warehousing.

SKILLS

Languages: SQL, Python, PySpark

Cloud Platforms: AWS, Microsoft Azure

AWS Services: Amazon S3, AWS Glue, AWS Lambda, Amazon Redshift, Amazon MWAA, Amazon CloudWatch, IAM

Azure Services: Azure Data Factory, Azure Data Lake Gen2, Azure Synapse Analytics, Azure Databricks

Data Engineering: ETL, ELT, Data Pipelines, Data Integration, Data Warehousing, Lakehouse Architecture, Medallion Architecture, Batch Processing, Incremental Loading, CDC

Data Modelling: Dimensional Modelling, Star Schema, Snowflake Schema, Fact & Dimension Modelling, SCD Type 2

DevOps & IaC: Git, GitHub Actions, Azure DevOps, Terraform, AWS CloudFormation

EXPERIENCE

Coventry Building Society, Coventry, UK

Data Engineer

Mar 2026 – Present

- Design and develop cloud-native AWS data platforms supporting mortgage, customer, and transactional data domains within a regulated financial services environment, enabling trusted reporting and analytics across business functions.
- Build and maintain scalable ELT pipelines using AWS Glue, Lambda, Python, and Amazon S3 to ingest, transform, and curate data from multiple internal and third-party systems into analytics-ready datasets.
- Implement and optimise bronze, silver, and gold data layers, improving data quality, lineage, governance, and accessibility for reporting, risk, and operational analytics teams.
- Develop dimensional models and curated datasets within Amazon Redshift, enabling efficient reporting and self-service analytics while improving query performance and reducing reporting latency by 25%.
- Orchestrate production workflows through Amazon MWAA and implement monitoring via Amazon CloudWatch, improving pipeline reliability by 30% while optimising SQL and Python transformations to reduce downstream data issues by 20%.
- Automate infrastructure provisioning and deployments using GitHub Actions, Terraform, and AWS CloudFormation, improving release consistency and reducing manual operational effort.
- Design and implement a cost optimisation framework across 50+ AWS data workflows, providing baseline cost visibility and enabling FinOps-driven optimisation decisions.

RMSI Limited, Reading, UK

Data Engineer

Jan 2026 – Mar 2026

- Developed and maintained geospatial data engineering workflows to process, standardise, and enrich large-scale GIS datasets using Python, GeoPandas, Pandas, NumPy, and FME.
- Performed spatial data validation, reconciliation, and quality assurance activities, improving the reliability and accuracy of downstream geospatial analytics and reporting outputs.
- Collaborated with GIS specialists and engineering teams to optimise high-volume spatial data workflows, improving processing performance by approximately 20% and accelerating dataset delivery.

PixelMechanics India Pvt. Ltd., Ghaziabad, India

Data Engineer

Jun 2021 – Aug 2024

- Designed and delivered enterprise-scale Azure data platforms using Azure Data Factory, Databricks, Azure Data Lake Gen2, Microsoft Fabric, and Azure Synapse Analytics across financial services, marketing, and operational reporting domains.
- Developed end-to-end ETL and ELT pipelines integrating data from APIs, transactional databases, CRM platforms, and third-party systems, implementing Medallion Architecture with Bronze, Silver, and Gold data layers to improve data quality, governance, and reusability.
- Built modular dbt-style transformation frameworks, dimensional models, fact tables, and Slowly Changing Dimension Type 2 processes, enabling accurate historical reporting, customer analytics, and compliance reporting.
- Developed and optimised Azure Synapse Analytics data warehouse solutions while implementing initial and incremental loading strategies across multi-million-record datasets, improving data freshness by approximately 35%.
- Implemented CI/CD pipelines through Azure DevOps and collaborated with finance, marketing, and analytics teams to deliver analytics-ready datasets, KPI frameworks, and business metrics supporting strategic decision-making.
- Collaborate with analysts, product owners, and business stakeholders to deliver governed data products supporting mortgage analytics, operational performance monitoring, and strategic decision-making.

EDUCATION

Coventry University, Coventry, United Kingdom

Sept 2024 – Sept 2025

MSc in Data Science, Grade: Distinction

CERTIFICATES

- Microsoft Certified: Azure Data Fundamentals.
- AWS Certified Cloud Practitioner.