



Case Study:

Turning Fragmented Data into a Trusted Foundation

*The Role of a **Data Architect** in the
UK Public Sector*

Digital *Delivery*, Done Right.





01

The Challenge

SATIGO was engaged to provide Data Architecture and Modelling expertise within a complex, regulated environment.

Client need: Bring clarity, governance and usability to a complex data environment, creating a trusted foundation for secure, self-service access to data.

Key Challenges:

- Fragmented data landscape across multiple repositories, tools and access points.
- Limited data governance and documentation, with inconsistent understanding of data structures and ownership.
- Complex stakeholder requirements, requiring teams to align on data definitions, relationships and how data could be securely accessed.

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02

The Project

Our team structured the work around discovery, technical assessment, domain definition and delivery readiness.

Project focus:

- Map existing data repositories, tooling and access patterns
- Assess data quality, completeness and integrity
- Produce technical artefacts to document current-state architecture
- Design and build data ingestion pipelines
- Facilitate stakeholder workshops to agree business rules, risk indicators and data definitions
- Translate findings into a clear, actionable strategy, maintaining decision logs throughout

It was necessary to establish a **clear view of the existing landscape**, working closely with their technical teams. An entity relationship diagram, data dictionary, data flow diagrams and formal architecture decision records were produced.

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Our Delivery Approach

Utilising the groundwork, we **combined technical delivery with structured stakeholder facilitation**. A clear picture of the data environment had been produced, which provided a strong project basis.

Data capability delivered:

- Analytics-ready data pipelines designed & built with transformation and validation rules applied
- Standardised data across sources to improve consistency, quality and usability
- Shared risk indicators agreed across business functions
- Documented business rules and data definitions established for the first time
- Structured stakeholder workshops to align teams on data requirements and meaning
- Milestone-based governance maintained throughout delivery, with clear records of decisions, risks and assumptions

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The Outcome

Client perspective: The organisation moved from a fragmented, undocumented data environment to a clear, evidenced foundation it could act on with confidence.

What was delivered:

- Documented view of its data architecture, a working data capability built on validated, quality-assured data
- A single agreed upon set of definitions and business rules that teams across the organisation could rely on

Value of the engagement: This gave the organisation's leadership a structured basis for decisions on future data investment. It provided the teams responsible for the next stage of delivery with a clear starting point to build from, rather than having to revisit first principles. These outputs directly shaped the organisation's thinking on how to scale the capability further.

SATIGO's Digital Capability Services



SATIGO helps public sector and regulated organisations access specialist digital expertise through outcome-focused engagements.



From focused discovery to multidisciplinary digital delivery, we structure projects around the problem and desired outcomes.

Have a Similar Project or Delivery Challenge?

Whether starting discovery, accelerating a programme, or adding specialist capability, we structure the requirement and build the right delivery approach around it.

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