

Louis Cotterell

AWS Cloud Data Engineer

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STACK

Cloud

AWS CDK, CloudFormation, EventBridge, Lambda, Glue, Athena, S3, SES, IAM, DynamoDB, Step Functions.

Data

Python ETL, SQL, orchestration, staging, transformation, and data-quality frameworks.

Delivery

Bitbucket CI/CD, component tests, monitoring, Slack alerting, production support.

Interfaces

QuickSight, operational dashboards, data presentation, admin tooling, HTML, CSS, JS and UX / UI optimisation.

NOTES

Education

BCS Data Analyst, Distinction, 2020. Haberdashers' Adams Grammar.

Strengths

Fast technical delivery, production judgement, user-facing tooling, incident investigation, developer onboarding, and high-risk business change.

Engineering across audited financial workflows, AWS-based systems, user-facing tools, and independent product design.

Over 6 years' experience on AWS investment-data platforms, with production ownership across ETL, data quality, event-based architecture, monitoring, and user-facing reporting.

WORK

Phoenix Group (now Standard Life)
Cloud Data Engineer, AWS

Jan 2020 - Oct 2025

Built an AWS-based investment data platform for the Asset Management team in a tightly audited environment. The platform fed day-to-day investment decisions with **c. £300bn under management**, so timeliness, data quality, and traceability were central requirements.

- Held technical ownership of critical production flows, resolving urgent data issues across fund-manager feeds, enrichment jobs, and downstream reporting.
- Designed and shipped the platform's generalised **data-quality framework**; configurable checks generated SQL from JSON/front-end rules and fed daily user screens and board-level metrics.
- Optimised a daily BlackRock analytics enrichment feed used for investment insight, reducing runtime from 10 minutes to **under 30 seconds**.
- Designed ETL for **near-terabyte daily** ISS ESG raw-file ingests, including parsing, cleaning, storage, and presentation.
- Built event-driven monitoring and Slack alerting around S3, EventBridge, Lambda, and CDK-managed deployments.
- Identified redundant Bloomberg requests and removed an estimated GBP 20,000 in annual data costs.

ReAssure

2018 - 2020

Trainee Business Intelligence Developer

Completed a Data Analyst Apprenticeship with Distinction, gaining foundational experience in data management and business intelligence. Oracle SQL databases, ETL workflows, file processing, BAU support, production data fixes.

INDEPENDENT WORK

rhune.co | The digital liner note collection.

Built independently since October 2025. Tools for musicians to maintain digital discography notes, display releases and engage with listeners.

- Design and build of a full curated product where **tactful design was central**.
- Analysed behavioural data from artist usage to iteratively optimise the note-writing flow, observing ~4x increase in content output per artist.
- Built invite-based verified artist access, auth flows, admin tools, listener submissions, notifications, and moderation controls.
- Automatic catalogue ingestion via Spotify and Apple Music, with careful API-limit handling.
- Deployed Flask and Postgres on Render, with AWS SES for mail and S3 for storage.