Simbus
Simplifying your Business

From paper pipelines to a production AI platform.

A people-science company's legacy stack couldn't scale past manual ETL and one-off scripts. Here's the architecture that replaced it — and what it means for your roadmap.

Here's what we rebuilt.

Databricks Data + AI Platform

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Legacy systems. Compounding technical debt.



Fragmented sources, manual ETL, and paper-rooted workflows meant every new feature shipped as another one-off script. Governance was tribal knowledge. Engineering time went to keeping the lights on, not building.

Sound familiar? Most data engineering teams are fighting the same fires.

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Built on Databricks, powered by Mosaic AI.

1 **Genie (AI/BI)**
Self-serve natural-language querying for stakeholders — without your team building or maintaining a BI layer.

2 **Vector Search**
Production-grade retrieval built into the lakehouse. No separate vector database to provision or sync.

3 **Bias & fairness auditing**
Automated checks running inside the pipeline itself, not a manual review step downstream.

4 **Unity Catalog governance**
One governance layer, row- and column-level ACLs, across every table and model — no per-app access logic.

5 **Microsoft Teams**
AI workflows deployed where the team already works, via API — not another portal to adopt.

6 **POC to production**
Weeks, not a multi-quarter migration. Working software over a lift-and-shift roadmap.

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Engineers who ship on Databricks.

We're a certified Databricks implementation partner: lakehouse and medallion architecture, pipeline modernization, GenAI builds on Mosaic AI, and the Unity Catalog governance your compliance team will actually sign off on — plus AMS support so your team isn't the only one on call.

- Lakehouse & Medallion
- Pipeline modernization
- Mosaic AI / GenAI
- Unity Catalog ACLs
- AMS & on-call support

Migrating off legacy data infrastructure?

Let's talk architecture.