Leveraging AI and unified multimodal data to improve health equity

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Aaron Zavora

- 2 years in Databricks' Go To Market function working across field teams, customers, and strategic partnership
- I'm an expert at big data engineering in healthcare
- Previously at Aetna / CVS leading provider data engineering teams

Tim Kessler

- 8 years at Redox in Sales, Partnerships, Product, Sales Engineering
- I’m currently the VP of Field Engineering and provide technical support for Redox partnerships
- I’m an expert at solving data integration problems between systems
- I previously worked at Epic implementing Access and Revenue Cycle applications

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Presentation Agenda

- Understand data challenges in common AI workflows
- Learn how data ownership + transparency leads to better health outcomes with AI
- Explore use cases enabled by unified data that move the needle on better healthcare access + quality

AI’s Role in Healthcare

Offers the ability to process vast amounts of data that humans can’t.

- Improve patient outcomes and personalize patient care
- Create more efficient healthcare delivery
- Improve population health management and better outcomes

Health Equity through lens of Data + AI

Health equity is the state in which everyone has a fair and just opportunity to attain their highest level of health.

Centers for Disease Control and Prevention

As an industry, we have an obligation to create transparency and ensure that the data used to train models is as representative as possible of the patients being served.

Modern AI & Data Strategy

AI is:

- Applied in the patient's best interest
- Applied equitably to all patients
- Transparent in its behavior

Data is:

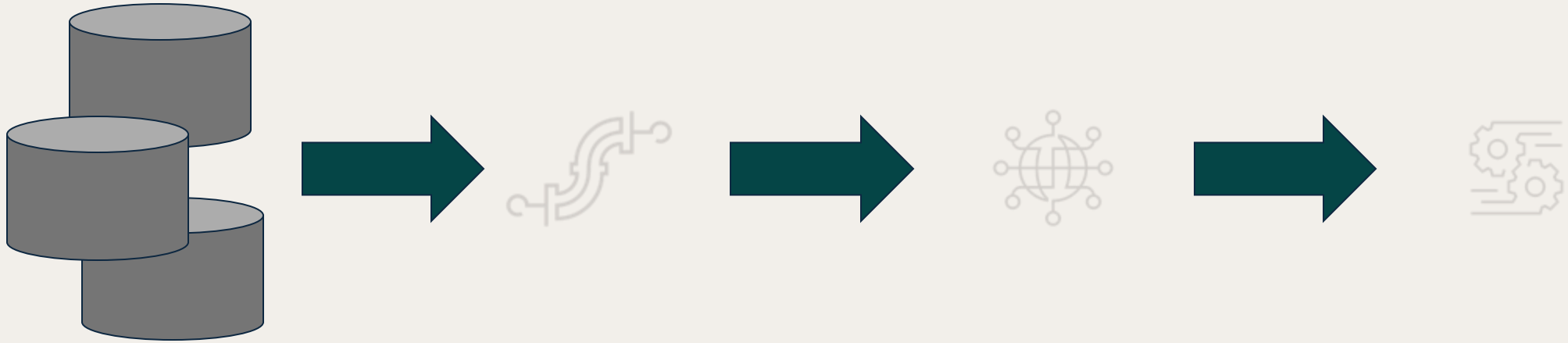
- Accessible / Available
- Useable
- Complete
- Timely
- Used Appropriately

Common AI Workflow

Gather Source Data | Data Quality / Standardization | Train Model / Validation | Deploy / Monitor

Challenge #1 - Data Silos

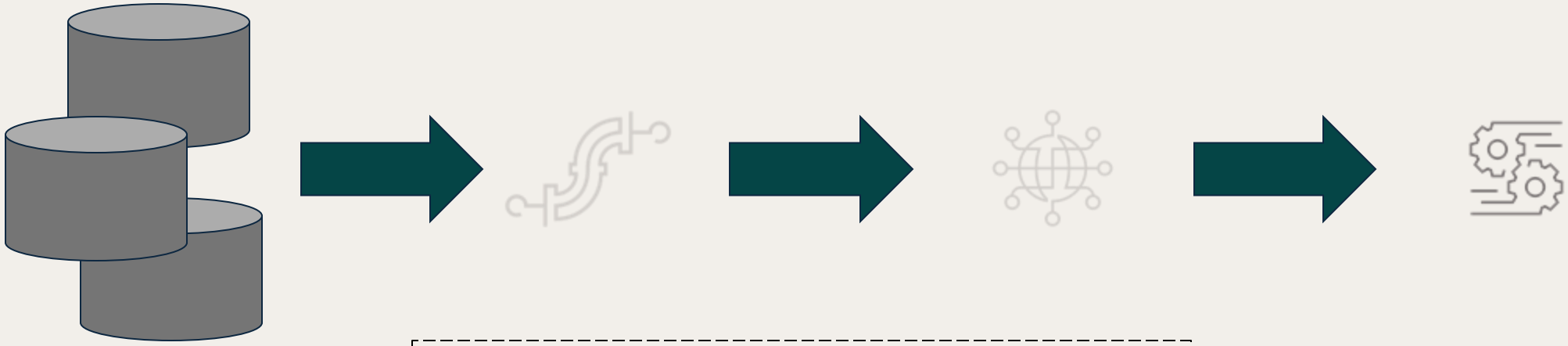
Gather Source Data | Data Quality / Standardization | Train Model / Validation | Deploy / Monitor



Data is siloed across many systems

Challenge #2 - Legacy Tech Reduces Data Access and Availability

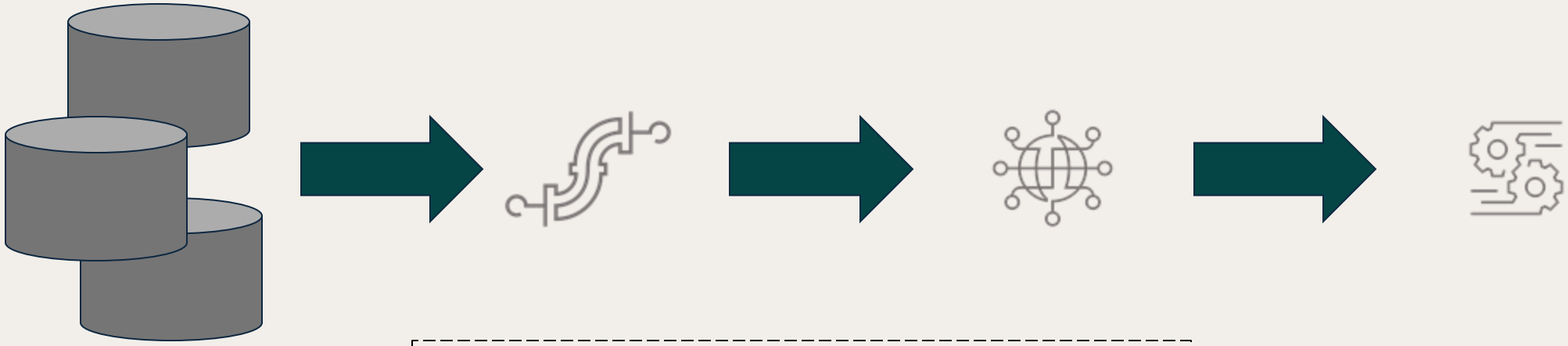
Gather Source Data | Data Quality / Standardization | Train Model / Validation | Deploy / Monitor



Legacy technology makes it difficult to provide timely insights when gathering source data and deploying / monitoring AI programs

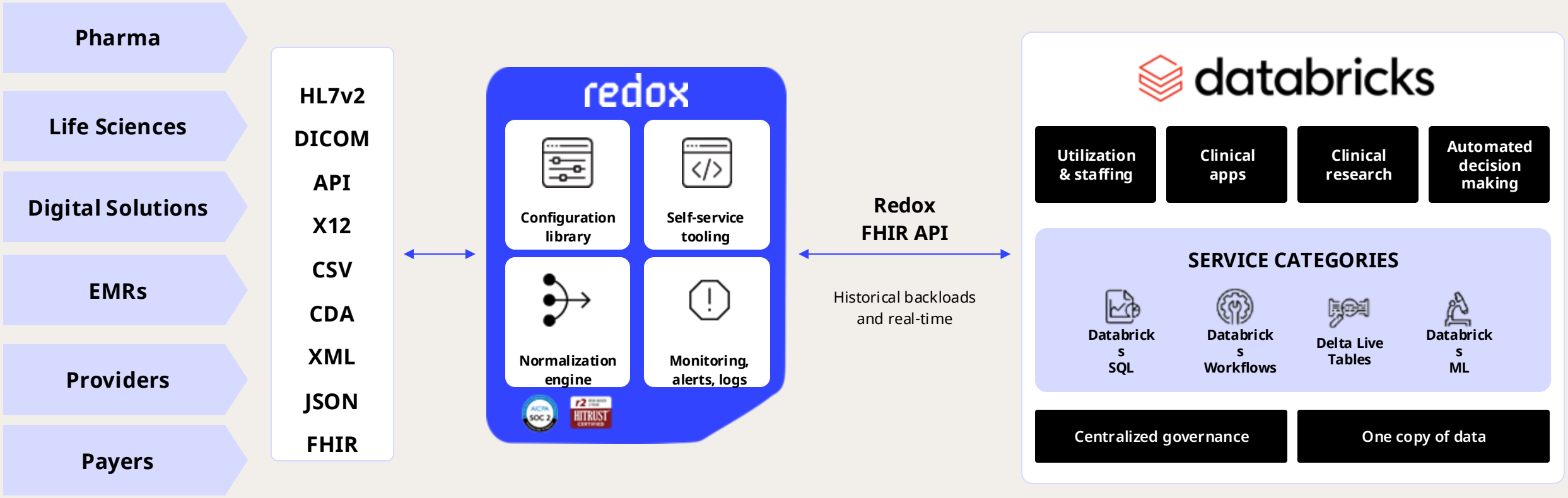
Challenge #3 - Governance & Monitoring Across Data, Models, Endpoints

Gather Source Data | Data Quality / Standardization | Train Model / Validation | Deploy / Monitor



Governing sensitive data, such as PHI, needs to be embedded across ecosystem

How Data Ownership & Transparency Drives More Equitable Health Outcomes



Key Use Cases Enabled

- Closing gaps in care
- Better engage with high-risk patient populations
- SDOH use cases with data coming from disparate sources

Q&A

Get in touch

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