Word Salad

Using a voice assistant to navigate Food Bank data

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featuring alexa

Problem

- (General) Problem: It is difficult to gain insights from datasets, because of size, complexity, distribution or unfamiliarity with jargon
- (more specific) Information about food banks, inventory, transportation is available but isn't accessible to everyone who needs it
- Who is everyone?
    - Staff in Mid Ohio Food Bank (*)
    - People who shop at pantries
    - Suppliers and donors
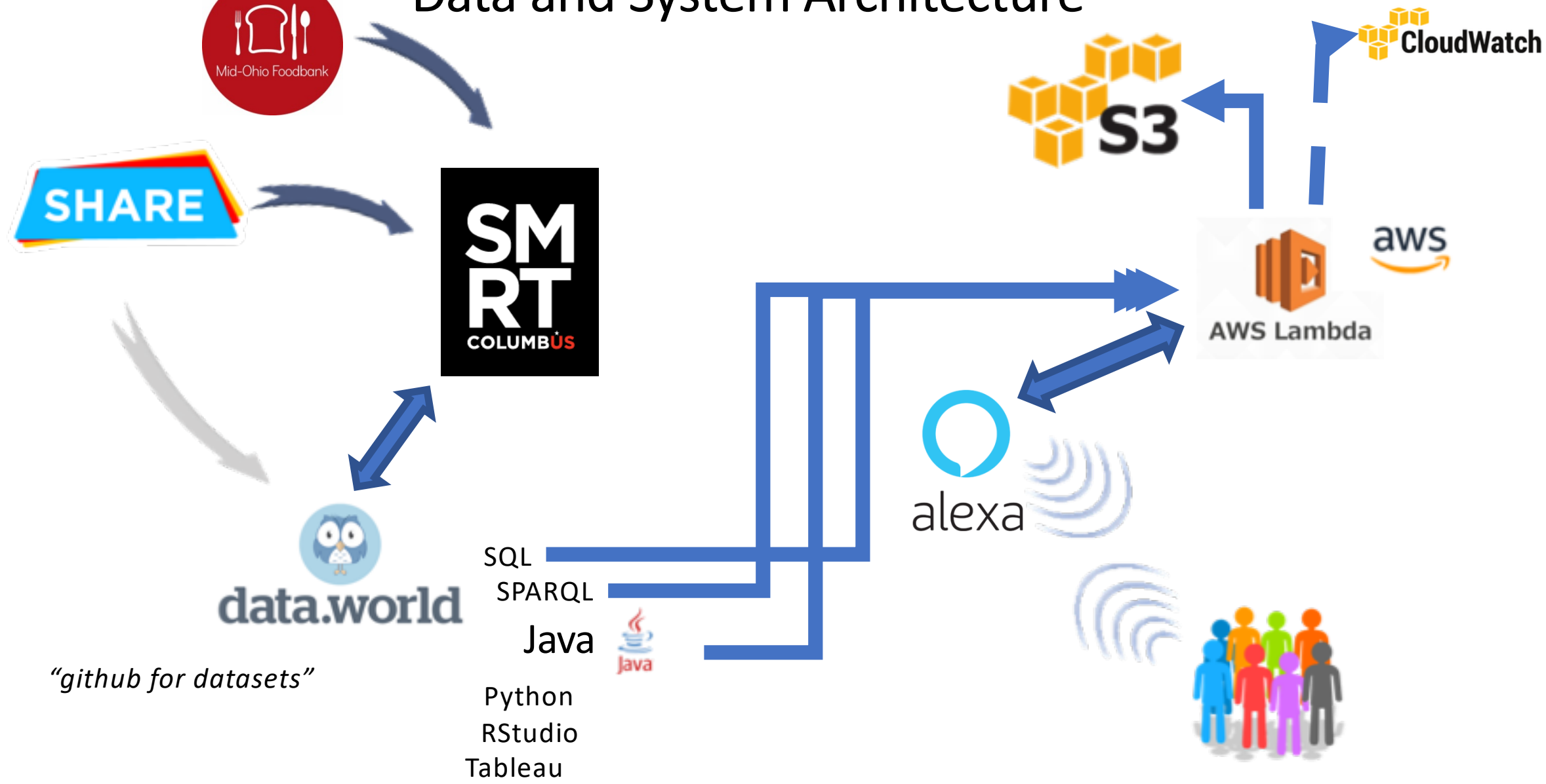   - Food bank operators

Solution

- Provide voice-controlled navigation through complex distributed data
  - Food banks, locations, hours
  - Other smart-city information; traffic, events, emergency response supplies, etc.,
  - Other data sources in different industries, e.g., formal glossaries (Ontologies) for banking, agriculture, pharmaceuticals, e-science, …

Business Model

- Service-led (open source)

- Supplements existing service relationships

- Support and customization
    - Connect to datasets
    - Configure questions/answers

Data and System Architecture

SQL
SPARQL
Java

Python
RStudio
Tableau

"github for datasets"

Data and System Architecture