SUMMIT2SEA
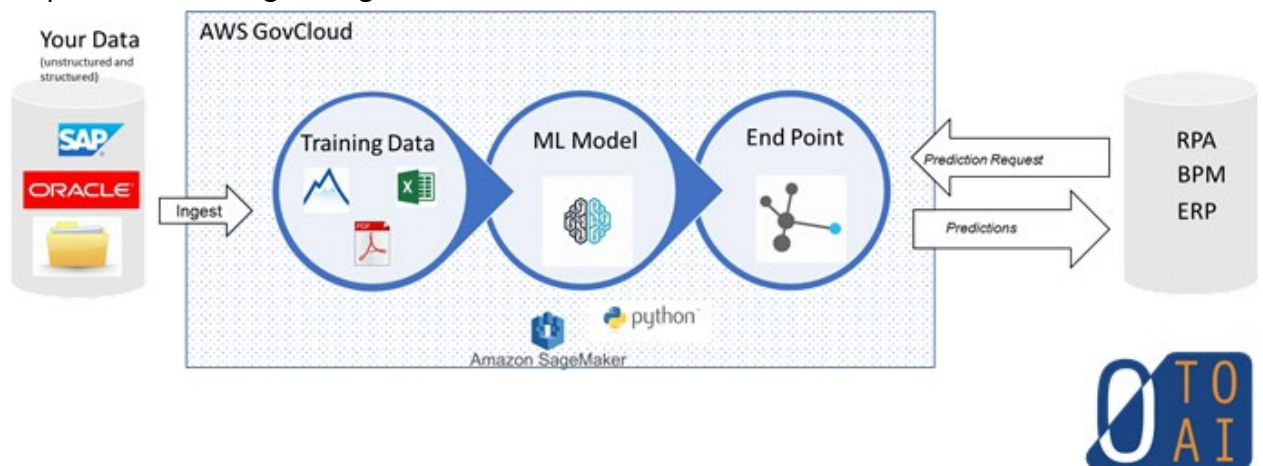CONSULTING

02AI – An AI Solution to Automate FOIA Requests

Overview

What if you could use your data to automate the FOIA process? Summit2Sea's 02AI solution does just that. You can use your data and the patterns within it to drive automation in your FOIA process in a fast and accurate way, without costly changes to the underlying FOIA systems.

Summit2Sea's 0 to AI (02AI) solution allows a government organization to leverage their own data to build AI models which connect into existing applications using robotic process automation. This allows federal organizations to automate business processes, such as FOIA requests without changing their underlying systems or maintaining fragile business rule driven logic.

How do we do it?

1. **We turn Your Data into Training Data:** We start by using your data and getting it AI ready. O2AI uses past FOIA request data and the actions taken manually by analysts in order to create a training data set. To create a training data set, we identify prior FOIA requests, to include both structured or unstructured data, the process steps each request went through along with each outcome.

2. **ML Models using autoML:** Once your data is AI ready, we use autoML tools such as AWS Sagemaker or Databricks ML Flow to create custom AI models that mimic the historical decisions made by the your skilled FOIA analysts. AutoML allows us to run parallel experiments to train, test and validate ML models until we get a model that returns the optimal precision, recall, loss and accuracy scores for your data. With 02AI, building and validating custom AI models takes days rather than months.
3. **End Points connect AI models to your applications:** After AutoML selects the best AI model, we publish it to a secure endpoint API that can receive prediction requests from applications within the current FOIA process.

4. **Receive prediction requests about the next process step to take from existing applications:** We use RPA to connect the AI model endpoint to your FOIA applications. This allows for a seamless connection without having to change your underlying FOIA applications. In addition, we can include a human in the loop to review and approve all AI predictions.

5. **Continuous Improvement and Learning:** We use Data Pipelines and MLOps to build and maintain a continuous process that monitors model performance, retrains the model as appropriate, flags changes within training data sets and provides explainability for all AI predictions.

We would rather show you rather than tell you how 02AI works

Summit2Sea 02AI explainer video, using this Vimeo link

https://vimeo.com/540678446

Contact Us:

Bryan Eckle

Summit2Sea Consulting, LLC

bryan.eckle@sum2sea.com

703-582-3665

https://www.sum2sea.com

What Our 02AI Clients Are Saying
"Summit2Sea has truly been a magnificent partner to work with on this DATA ACT Improvements project. Their expertise in Robotic Process Automations (RPA) and Artificial Intelligence (AI) has provided the agency with tremendous insight. They remain flexible in their approach to support our ever-evolving needs and continue to keep communication lines open as our agency deals with pandemic crisis like COVID-19. The agency would highly recommend this contractor to other federal agencies."
IRS Contracting Officer
"Summit2Sea has provided incredible people and used innovative technologies, like AWS native services, to solve some of the DoD's toughest National Defense Strategy challenges."
DoD SES

Contact Bryan Eckle @ bryan.eckle@sum2sea.com