

# Practitioner's Portal

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# Practitioner's Portal is:



Simple

- A tool that allows AI practitioners to explore and use AI assets directly in AloD

More extensive

- A **web application**
- ... that enables **AI practitioners**
- ... to **work with AloD AI Assets** (explore, search, compare, ...)
- ... and **create experiments** that are reproducible and reusable
- ... that are **executable directly in the AloD** platform supported by its infrastructure
- ... and that **make use of AloD AI Assets**

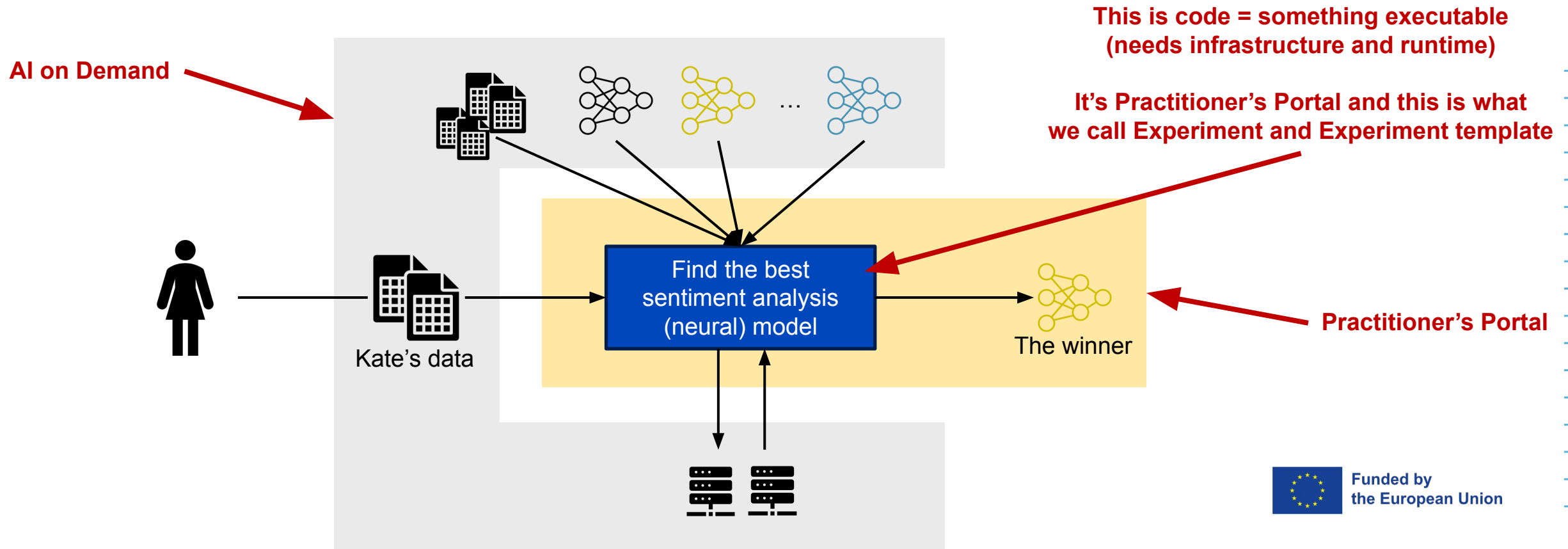


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# Sample use case 1

(something is already implemented, something not)

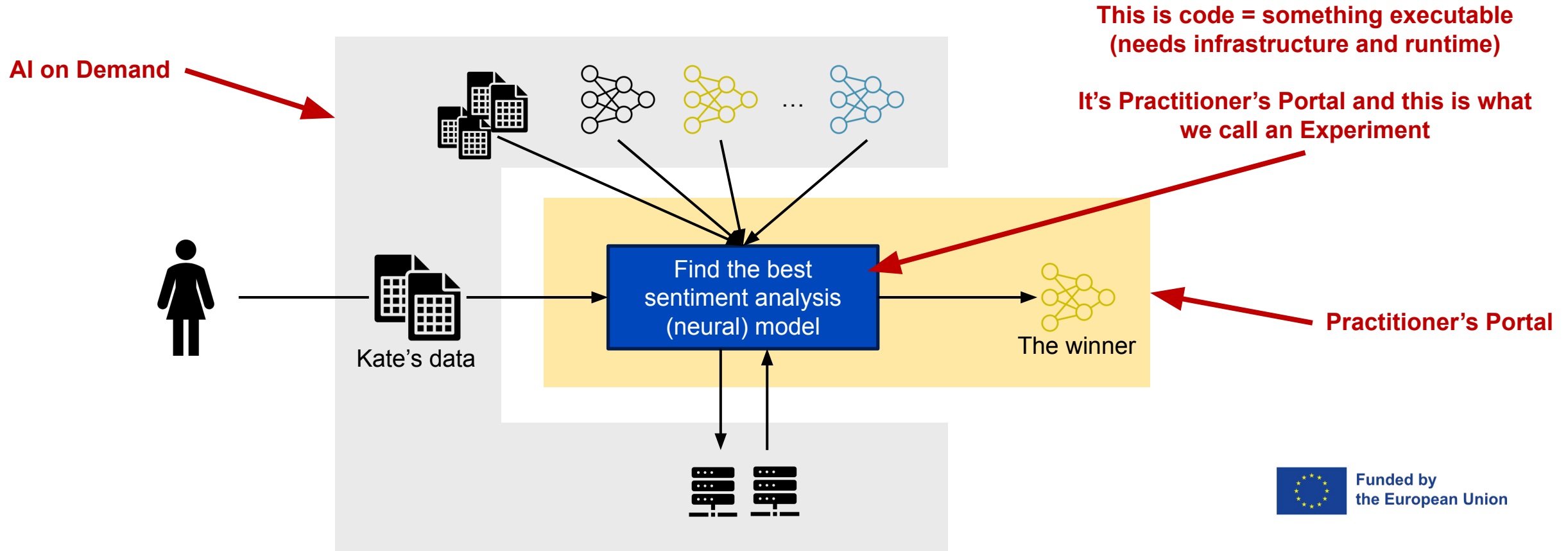
- Kate, a lead of R&D, needs to upgrade the obsolete sentiment analysis algorithm in their product



# Sample use case 1

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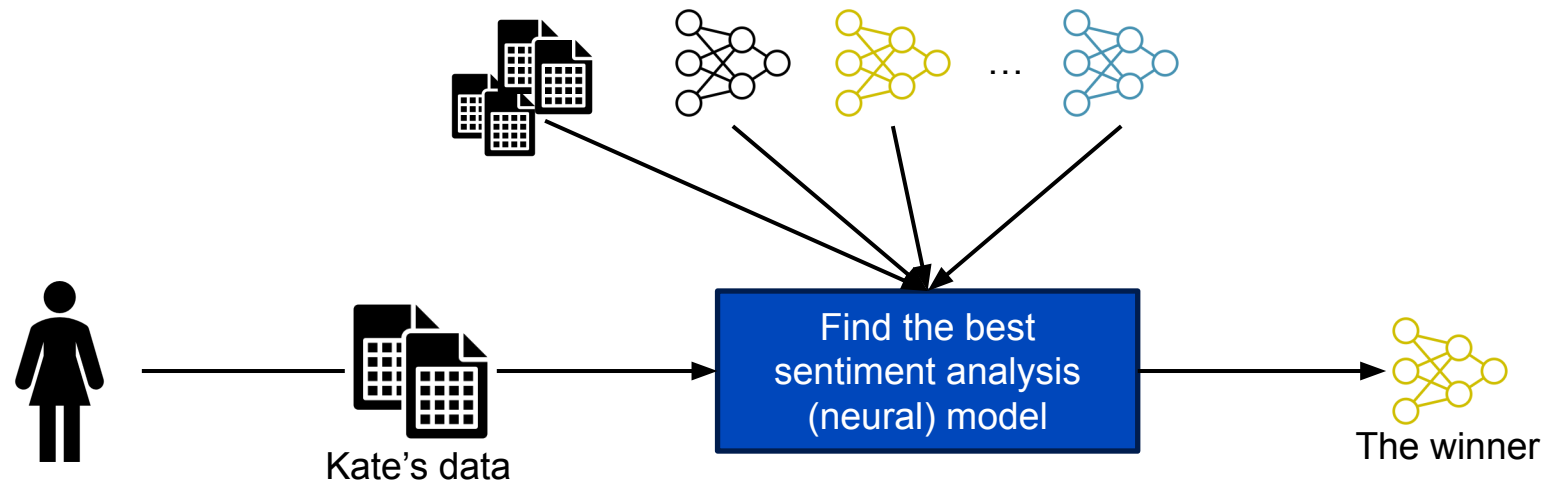
- Let's clean up



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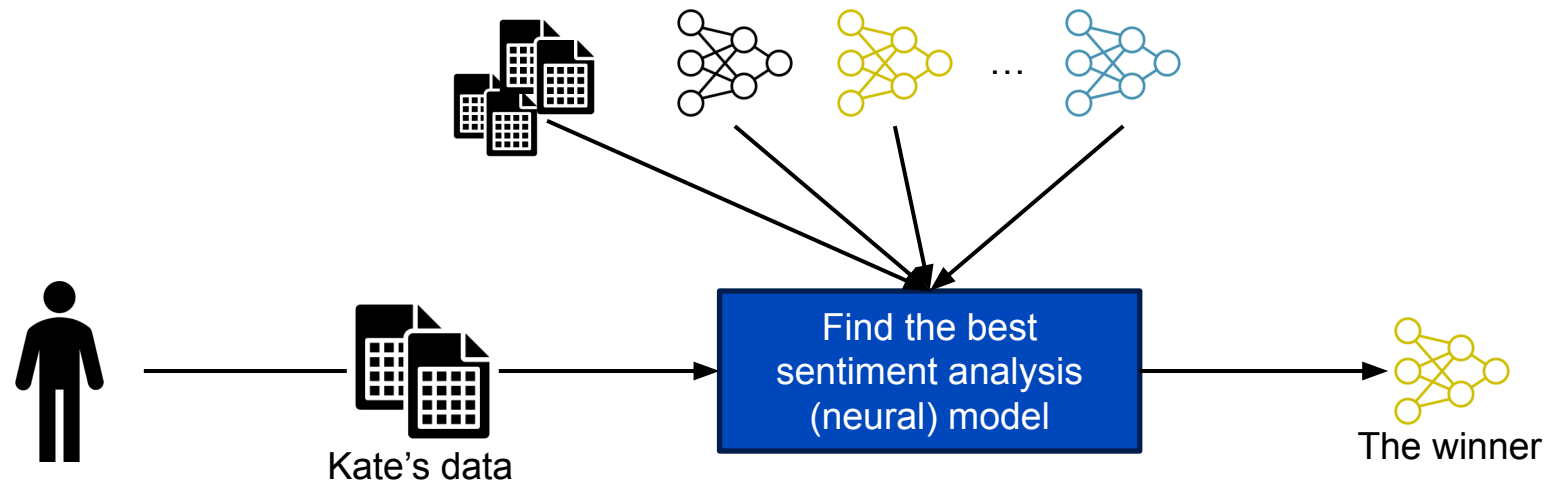
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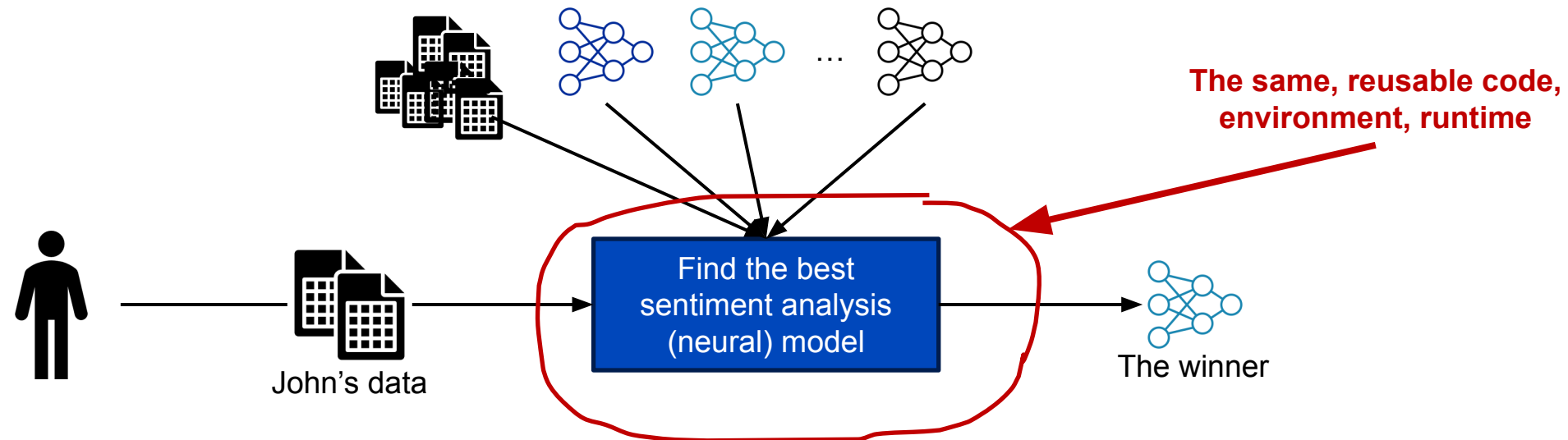
- John is a CTO of a small startup that needs to find a reasonably good sentiment classifier for their product



# Sample use case 1

(something is already implemented, something not)

- John is a CTO of a small startup that needs to find a reasonably good sentiment classifier for their product





Experiments

Datasets

All datasets

Full-text search



Items per page:

10

1 – 10 of 51247



Saved datasets

+ Create dataset

huggingface

### acronym\_identification

Acronym identification training and development sets for the acronym identification task at SDU@AAAI-21.

Show more

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Save to my datasets

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### ade\_corpus\_v2

ADE-Corpus-V2 Dataset: Adverse Drug Reaction Data. This is a dataset for Classification if a sentence is ADE-related (True) or not (False) and Relation Extraction between Adverse Drug Event and Drug. DRUG-AE.rel provides relations between drugs and adverse effects. DRUG-DOSE.rel provides relati...

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### adversarial\_qa

AdversarialQA is a Reading Comprehension dataset, consisting of questions posed by crowdworkers on a set of Wikipedia articles using an adversarial model-in-the-loop. We use three different models; BiDAF (Seo et al., 2016), BERT-Large (Devlin et al., 2018), and RoBERTa-Large (Liu et al., 2019) in th...

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### aeslc

A collection of email messages of employees in the Enron Corporation. There are two features: - email\_body: email body text. -

Sign in





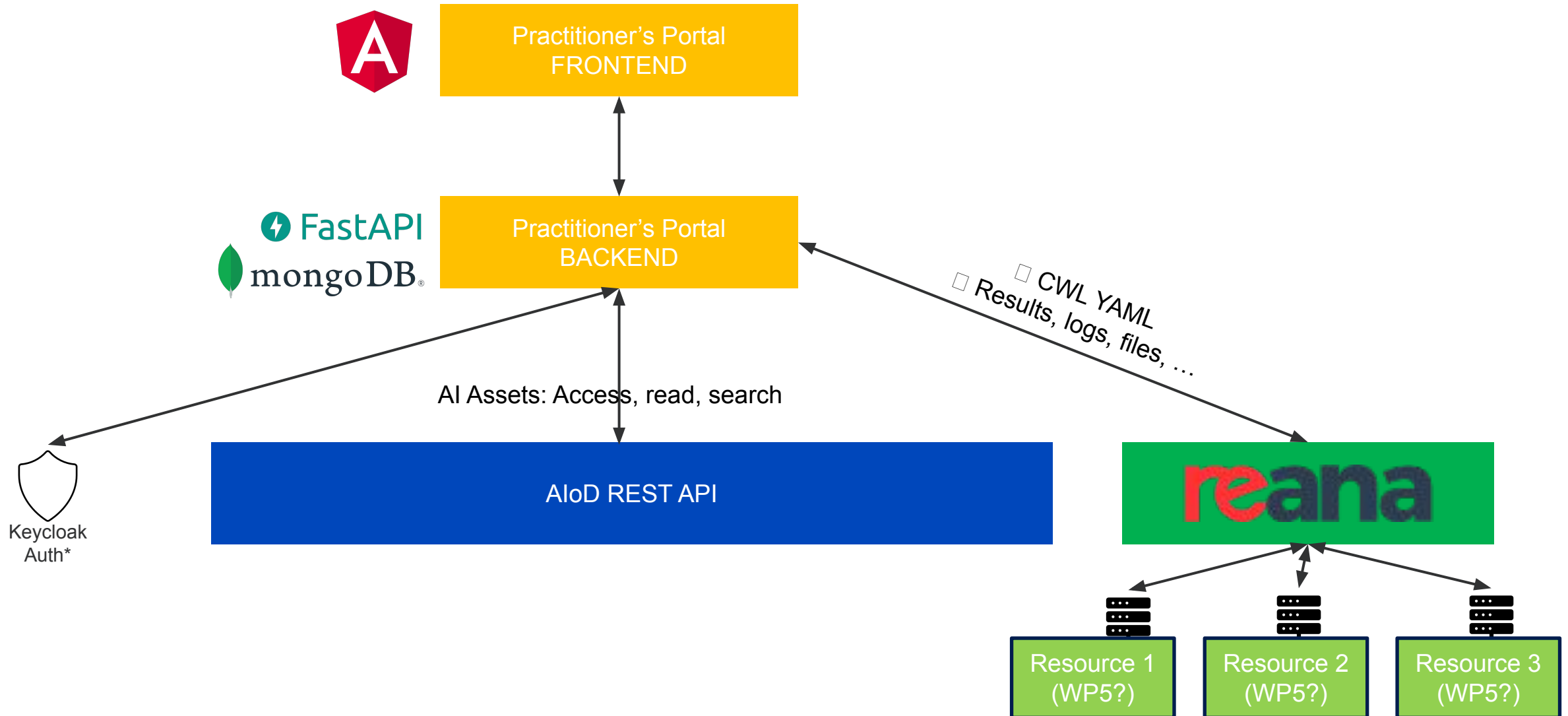
# Other potential use cases

(something is already implemented, something not)

- I develop a nice (but complex) text augmentation pipeline
  - Share the code and let others just upload their data and augment them in AloD
- I want to combine multiple datasets, fine-tune a pre-trained model and evaluate it on multiple datasets
  - Why not? Let's create two experiments:
  - Experiment 1: Training
    - INPUT: AloD datasets, AloD pretrained model; OUTPUT: Downloadable model
  - Experiment 2: Evaluation
    - INPUT: Model, AloD datasets; OUTPUT: Metrics
  - Bonus: Share a link to the experiment with a reviewer
    - They can re-run the code directly in AloD
    - They can replace the author's dataset and test the solution with their own data
- ...



# What's under the hood

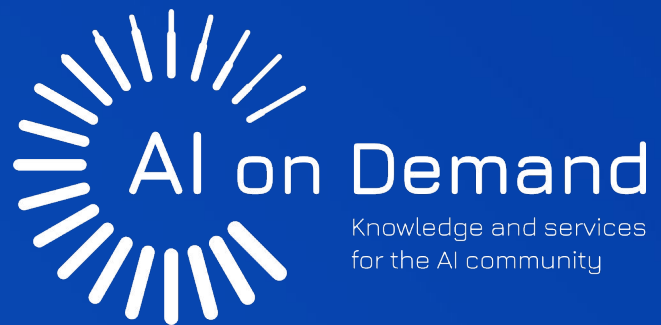


# (some) Future directions



- Compose experiments to pipelines
- Special extensions/configurations for reproducibility
  - Plus benchmarks, leaderboards, ...
- Support for other languages
  - It's actually trivial
- Let the users to specify hardware requirements
  - Some may be paid, some not ☐ Contribution to sustainability
- One wild idea – it can serve as a backbone to create specialized services
  - The same code base, Angular/FastAPI components for different use cases
  - Only show those that are relevant for the use case
- ...





# Thank you!