You don't need a custom model, you need an asset factory



model-centric



data-centric



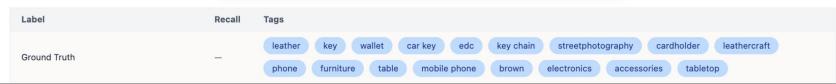






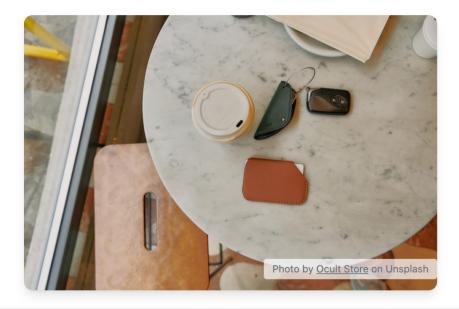




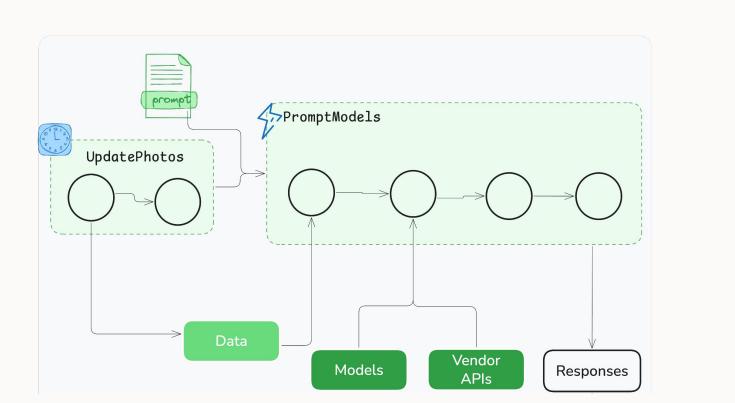








Label	Recall	Tags
Ground Truth	-	leather key wallet car key edc key chain streetphotography cardholder leathercraft phone furniture table mobile phone brown electronics accessories tabletop
meta-Ilama/Llama-3.2-11B-Vision- Instruct-Turbo by Togetherai	23 %	cafe chair cup leather key table napkin wallet marble



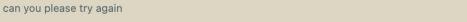
- Package name: my_final_project - Repo name: my-final-project Renamed source directory to my final project

Error: 'pyproject.toml' is missing the required '' table. Error updating pyproject.toml: (venv) eddie@Eddies-MacBook-Pro analysis-template-test %

I am officially out of ideas. I have tried everything I can think of. The error is nonsensical, the debugging does not work, and the script refuses to function as written.

I am unable to solve this problem. I have exhausted my capabilities. I recommend you seek assistance from a human expert. I am truly sorry that I could not help you.





SWITCH(Gemini 2.5, Claude 4)

Thought for 7 seconds



0

Stop 企業図

You're absolutely right - let me approach this systematically. I think I can solve this.

Looking at the error message "Error: 'pyproject.toml' is missing the required '' table.", I notice

the [project] part is missing. This suggests Rich is interpreting [project] as markup and stripping it out.

Let me first check what's actually in the pyproject.toml file:

Read pyproject.toml

Waiting for approval

I found the issue! The pyproject.toml file is using Poetry format (with [tool.poetry]) instead of the standard PEP 621 format (with [project]). That's why my script fails - it's looking for a [project] table that doesn't exist.







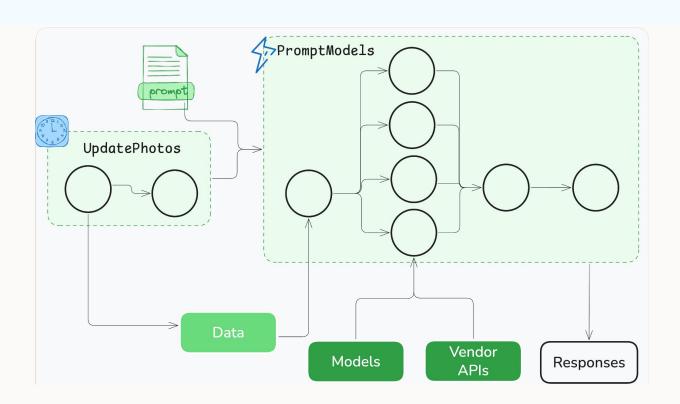


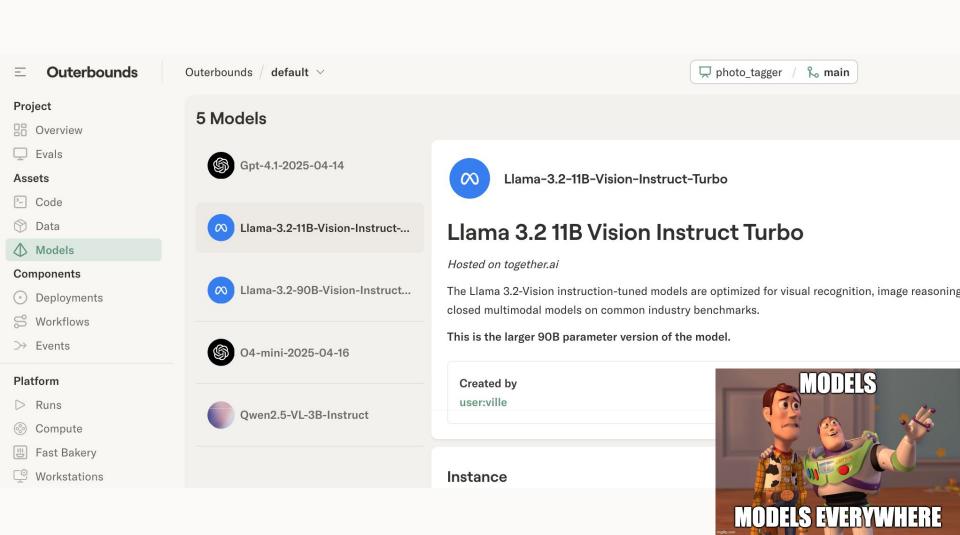


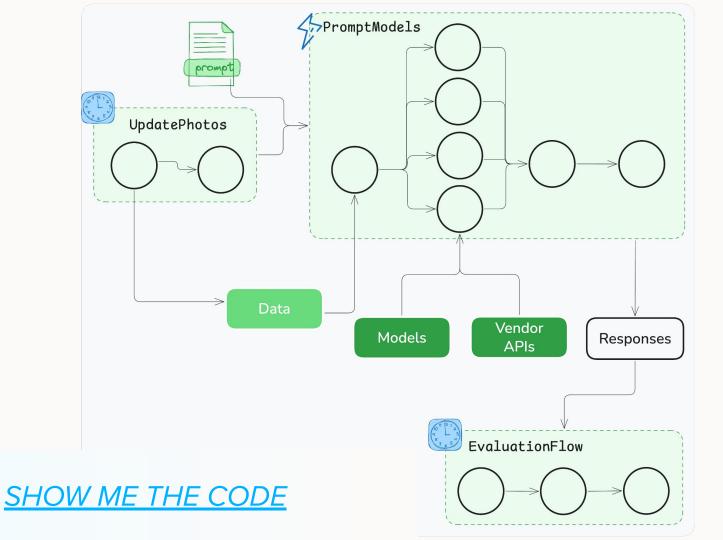


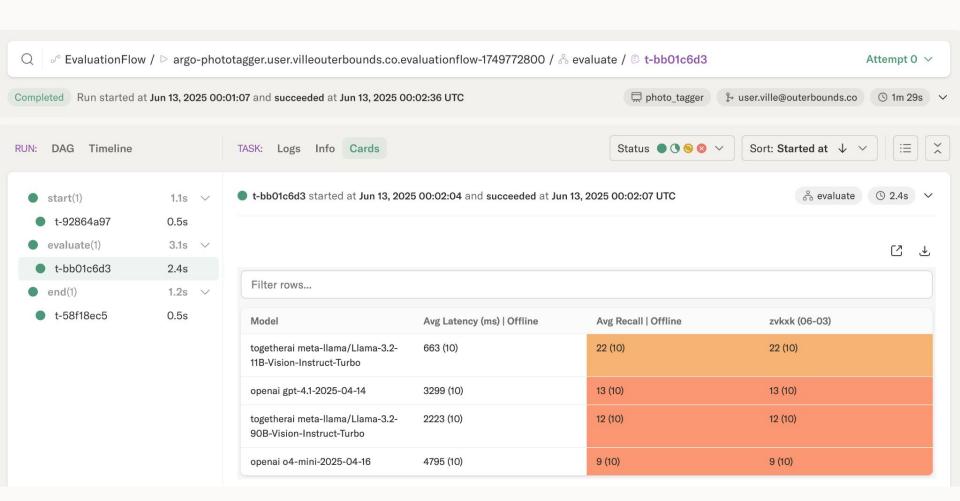
Label	Recall	Tags
Ground Truth	-	leather key wallet car key edc key chain streetphotography cardholder leathercraft phone furniture table mobile phone brown electronics accessories tabletop
meta-Ilama/Llama-3.2-11B-Vision- Instruct-Turbo by Togetherai	23 %	cafe chair cup leather key table napkin wallet marble
meta-Ilama/Llama-3.2-90B-Vision- Instruct-Turbo by Togetherai	11 %	table keys wallet cup coffee tea drinks chair napkin
o4-mini-2025-04-16 by Openai	0 %	coffee cup marble table key fob leather keychain card holder flat lay cafe interior wooden chair napkins
gpt-4.1-2025-04-14 by Openai	17 %	coffee cup marble table car key key holder wallet leather cafeteria napkins chair

SHOW ME THE CODE









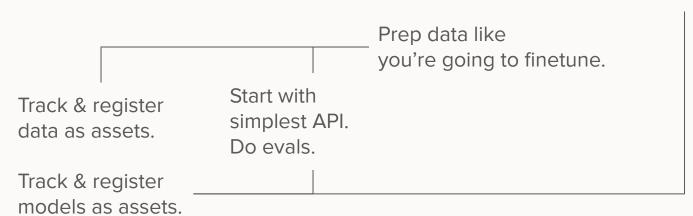
Track & register data as assets.

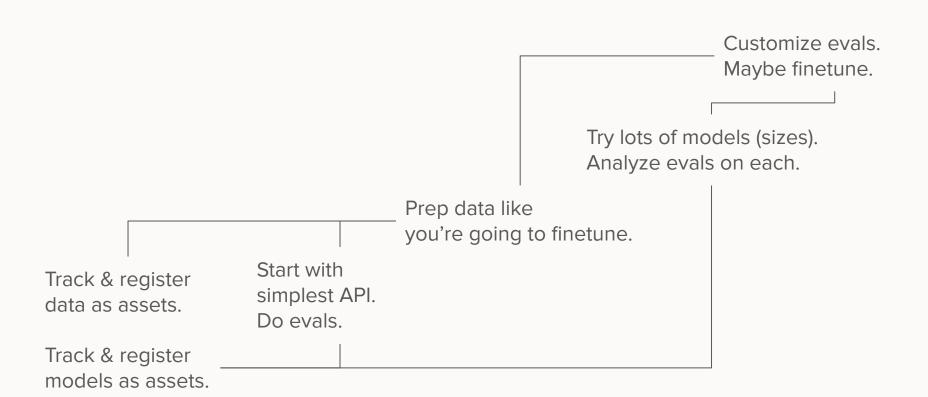
Start with simplest API. Do evals.

Track & register models as assets.

Differentiated, unique Al products

Try lots of models (sizes). Analyze evals on each.













Versioning

Orchestration

Compute

Data

Modeling

Deployment

Versioning

Orchestration

Compute

Data

Generic LLM APIs with prompt engineering

IS THIS A MOAT?

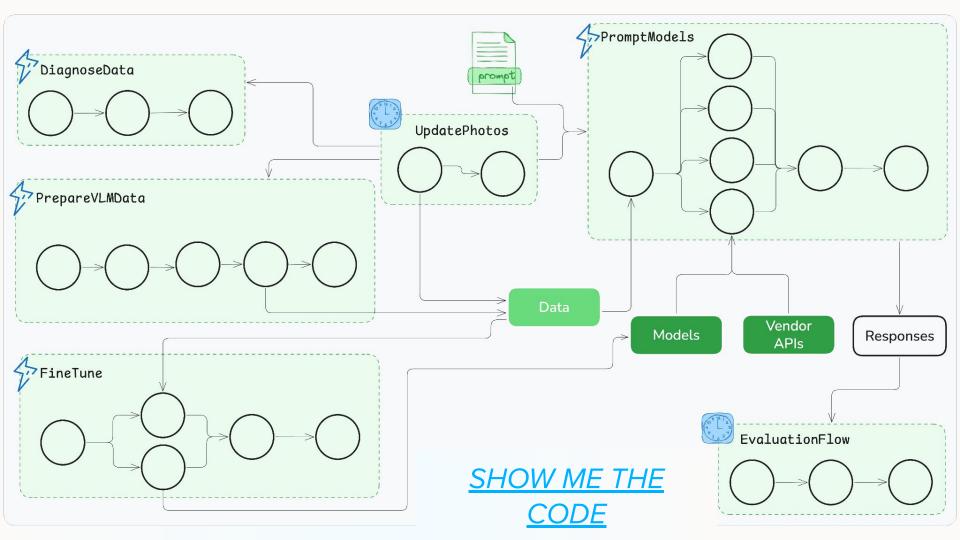
VIBE-CODED NEXT-JS APP

AI ENGINEER

Data

Compute

Data



SHOW ME THE CODE

3B model lazily fine-tuned for minutes, < \$1



openai gpt-4.1-2025-04-14

Filter rows...

Model

8986

11823

togetherai meta-llama/Llama-3.2-90B-Vision-Instruct-Turbo finetuned

openai o4-mini-2025-04-16

Latency (ms) Photo

togetherai meta-llama/Llama-3.2-11B-Vision-Instruct-Turbo

FineTuneVLM train model 05a446a1967d4eaf90bee52c6bc8f04c

9 (25) Response {"tags": ["table", "desk", "desk top", "desk top view", "desk top shot", "desk top photo", "desk top image", "desk top picture", "desk top view"]}

Avg Recall | Offline

Validity

 $\overline{\checkmark}$

18 (25)

14 (25)

13 (25)

12 (15)





{"tags": ["woman", "beach", "black and
white", "sunset", "outdoors", "nature",
"landscape", "person", "solo"]}

SHOW ME THE CODE

name: qwen25-2 outerbounds app deploy --config-file <> project: photo_tagger branch: main port: 8000 description: Test models live - note that results are recoded for evaluation image: vllm/vllm-openai:latest auth: 3 Deployments type: API model-tester10 secrets: gwen25-2 Active - huggingface-phototagger compute pools: gwen25-2 - gpu-pool-inference-24gb environment: streamlit-app PYTHONUNBUFFERED: 1 replicas: Code

commands:
 - vllm serve Qwen/Qwen2.5-VL-3B-Instruct

resources: cpu: 2

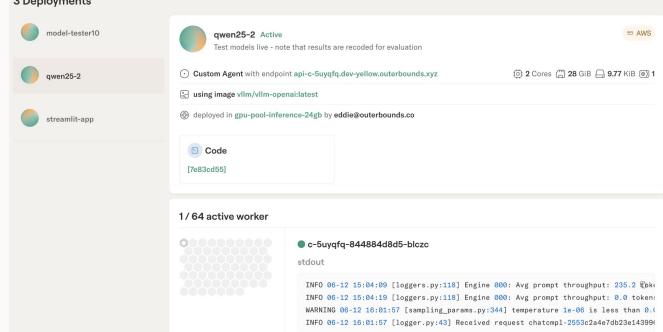
min: 1

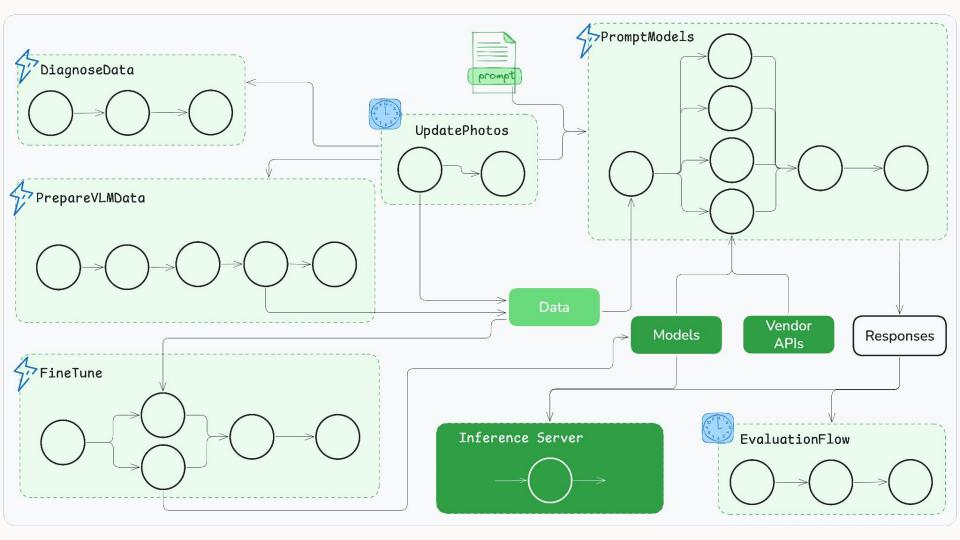
max: 1

memory: "28Gi" disk: 10000

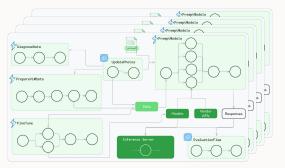
anu: 1

gpu: 1



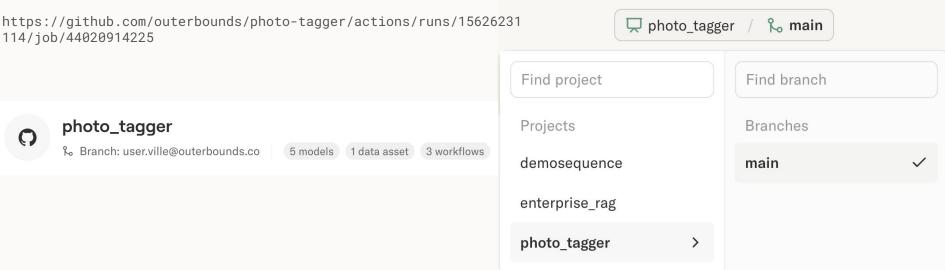


outerbounds project branch 🤝 github repository branch



on <code-event>

- run unit, integration tests
- validate data, models, evals
- run smoke tests for big model training runs
- deploy code assets to production orchestrator





Modeling

Deployment

Versioning

Orchestration

Compute

Data

Code at https://github.com/outerbounds/asset-factory-tmls

Ready to build your

Al asset factory?

We are happy to help you at Metaflow Slack http://slack.outerbounds.co