



Embedding  
security into the  
AI/ML lifecycle  
— without  
slowing down  
innovation.

# Demystifying MLSecOps

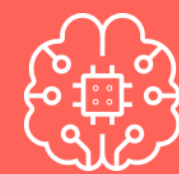
## Layers of the Generative AI Stack



**The Experience:** Applications that use LLMs and other FMs to help users write, generate, analyse, and act – (hopefully) with trust built in.



**The Platform:** a secure way to access all the models along with tools needed to build and scale generative AI applications



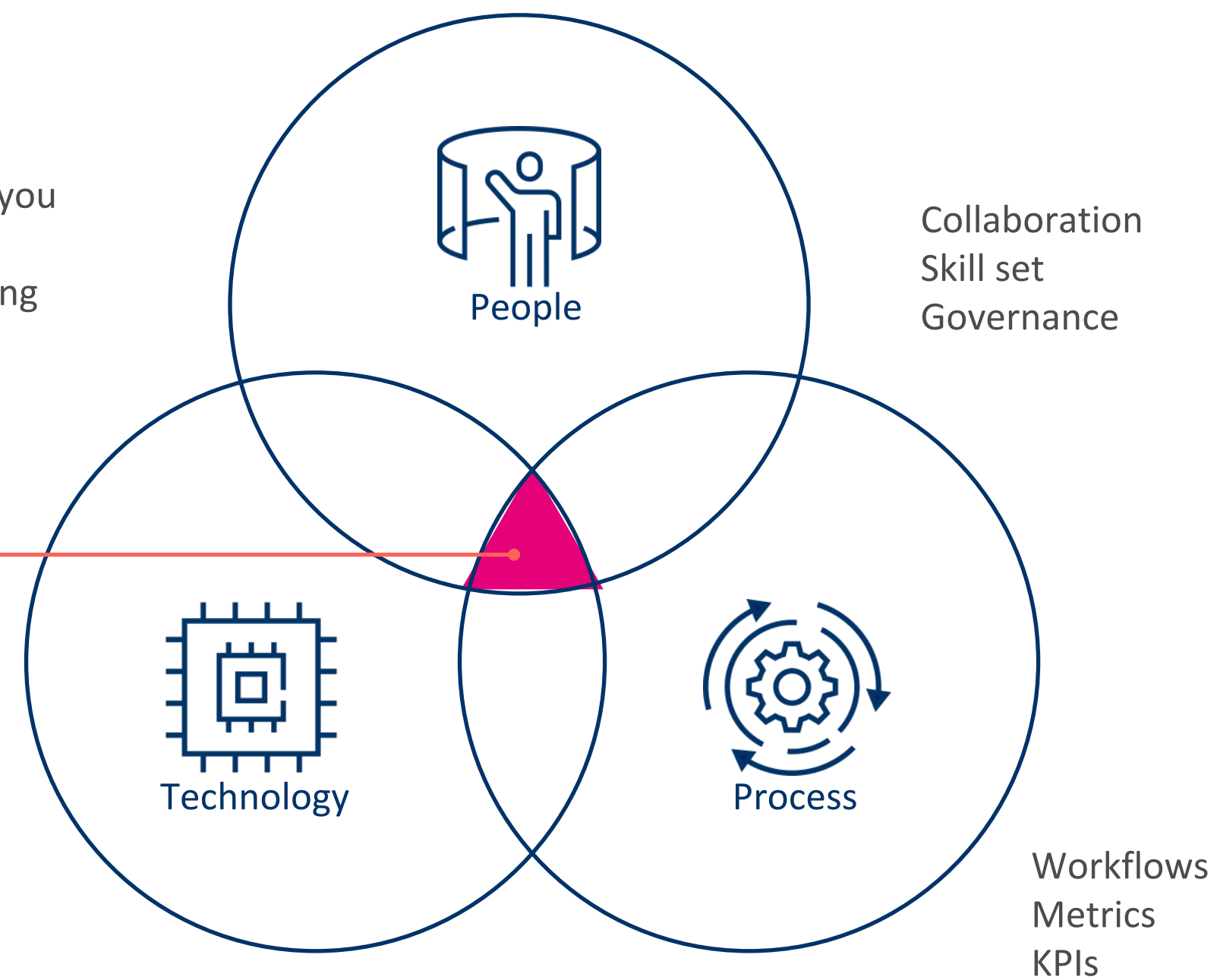
**The Foundation:** Tools to build and train large Language models and foundation models.

From DevOps  
to MLOps  
to MLSecOps

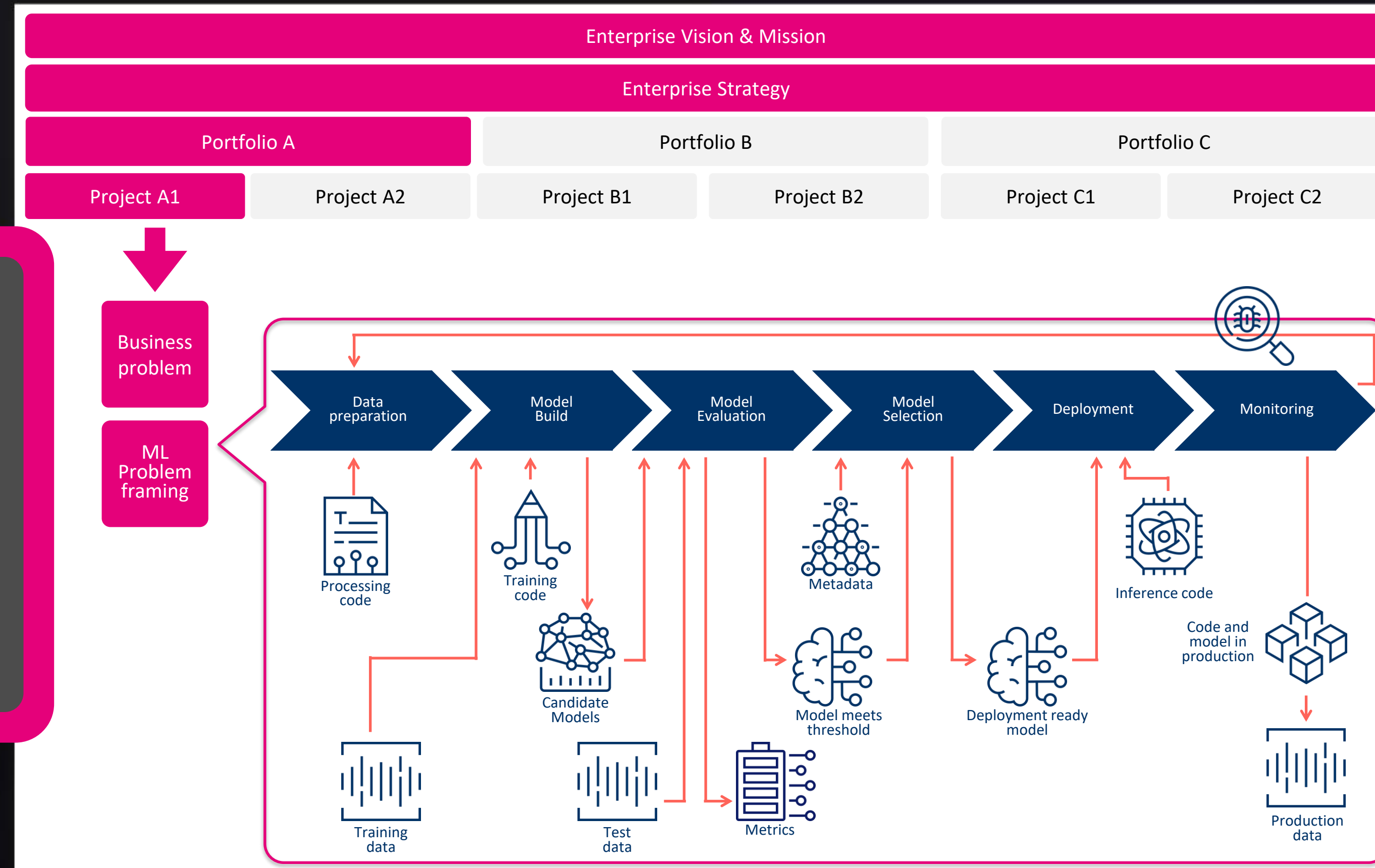
**MLSecOps** is how  
you build trust in  
machine learning

**MLOps** is how you  
approach  
machine learning

ML infrastructure  
ML tooling  
Orchestration



An adaptive approach to ML security might serve not just the engineers... but the entire business.



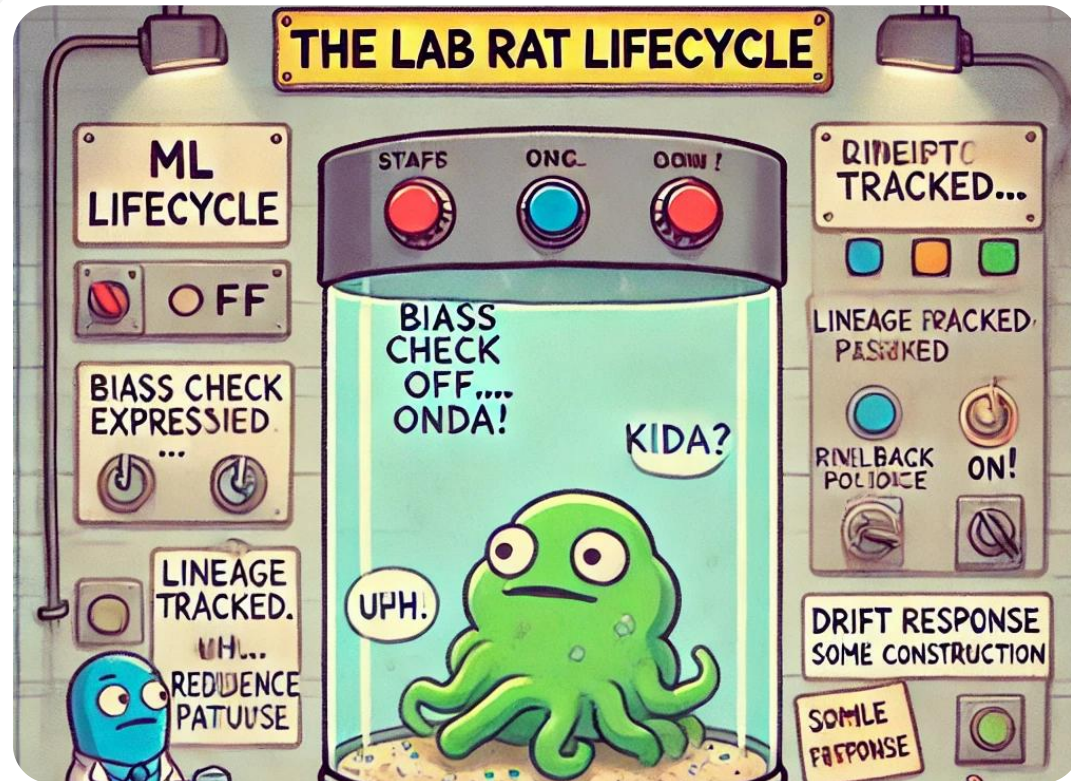




Why Boards Care (Even If They Don't Say 'MLSecOps')



The ML Lifecycle, Revisited



Designing Resilience In (Not Bolting It On)



Why Boards  
Care  
(Even If They  
Don't Say  
'MLSecOps')

AI strategy is no longer just about models. It's about governance, readiness, and trust.



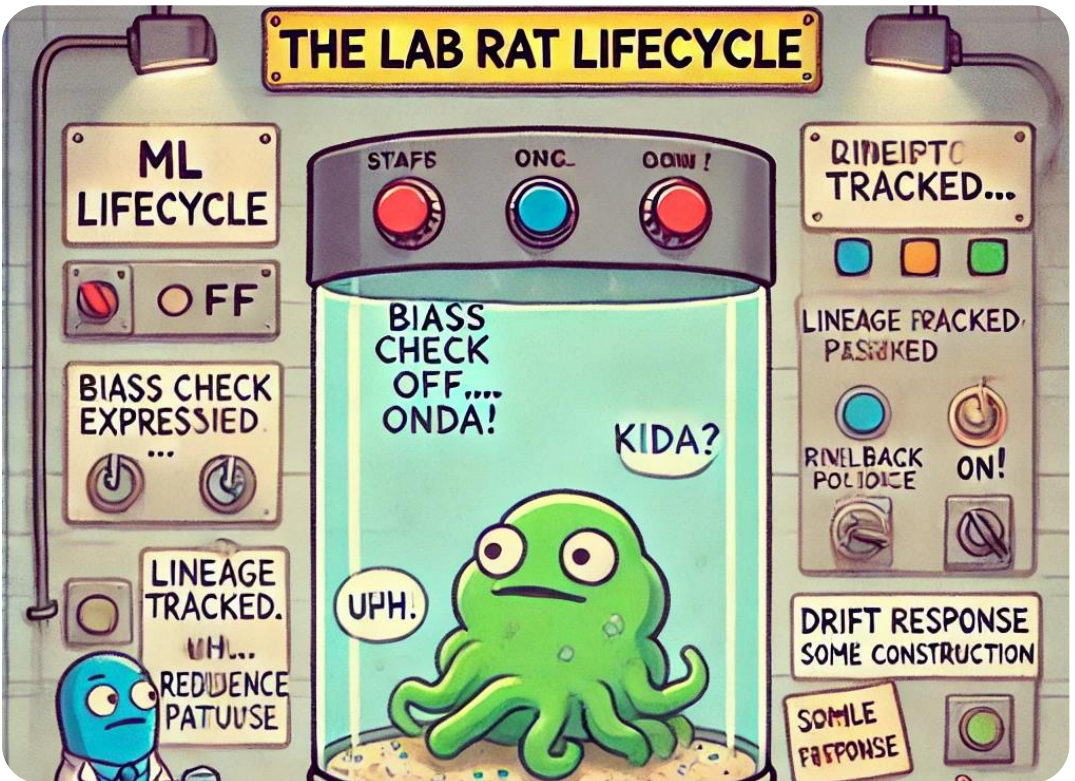




Why Boards Care (Even If They Don't Say 'MLSecOps')



The ML Lifecycle, Revisited



Designing Resilience In (Not Bolting It On)



# The ML Lifecycle

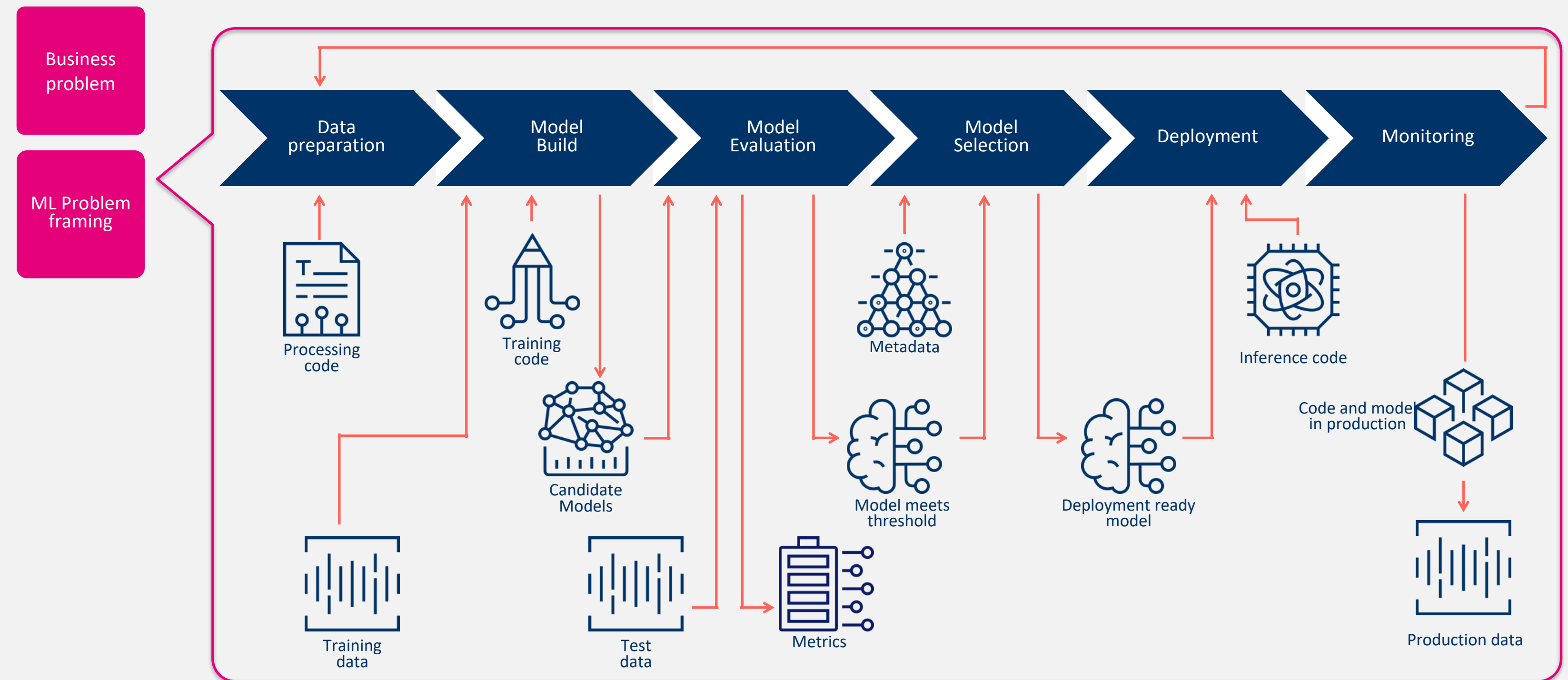
Every model follows a lifecycle. But not every lifecycle is visible.





# The ML Lifecycle

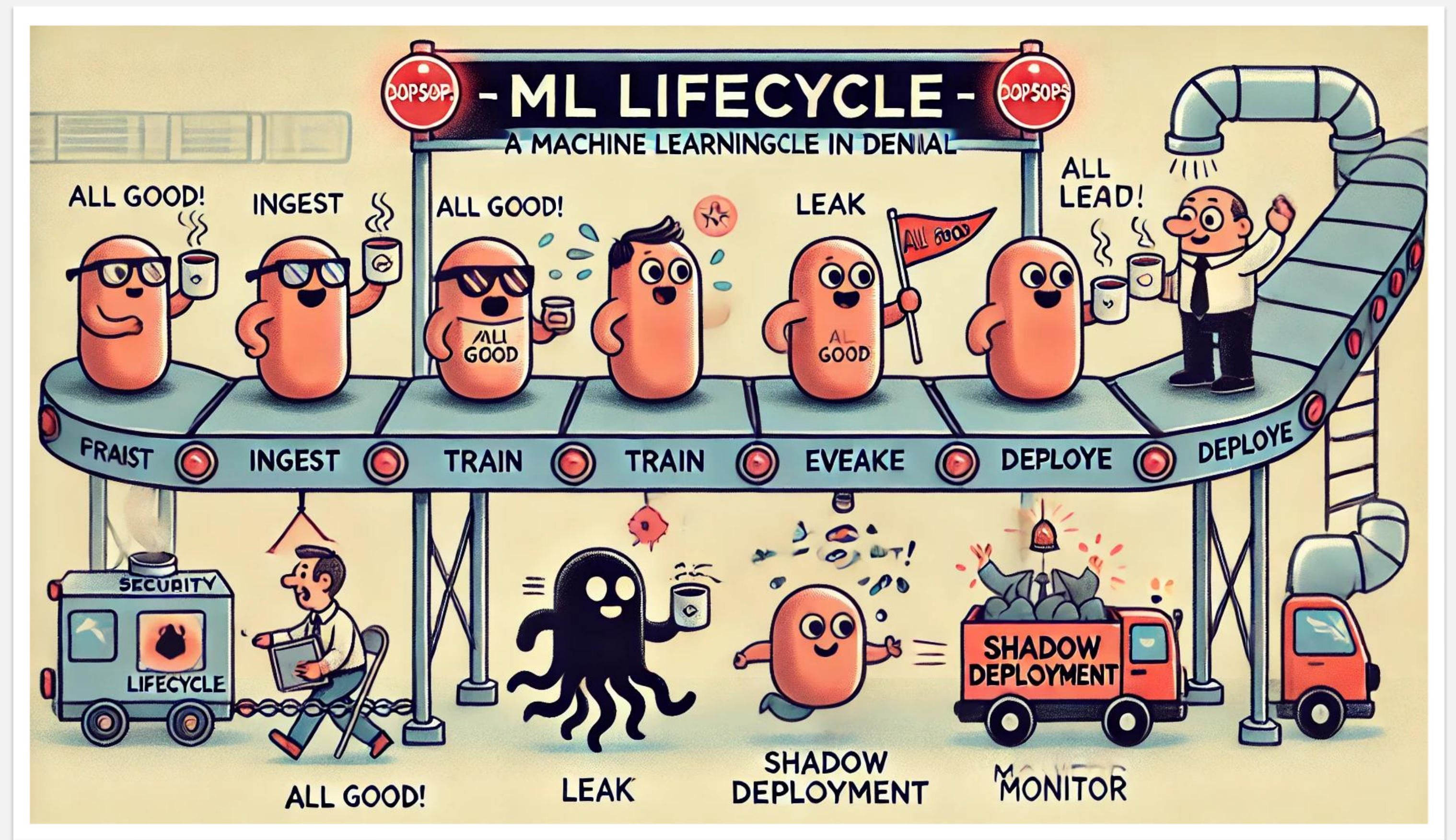
Every model follows a lifecycle. But not every lifecycle is visible.





The ML Lifecycle, Where the Gaps Usually Start

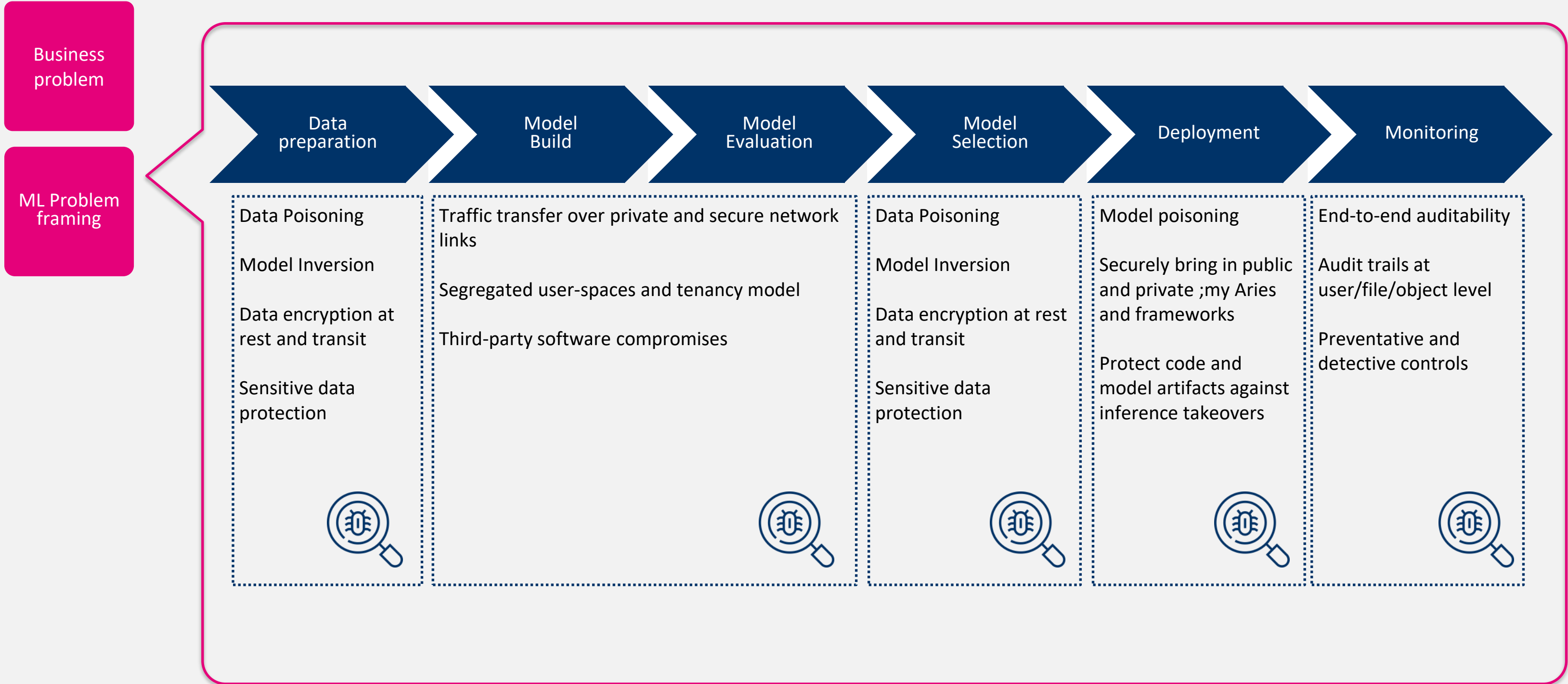
Security often enters late. Risk doesn't wait.





Security often enters late. Risk doesn't wait.

The ML Lifecycle, Where the Gaps Usually Start

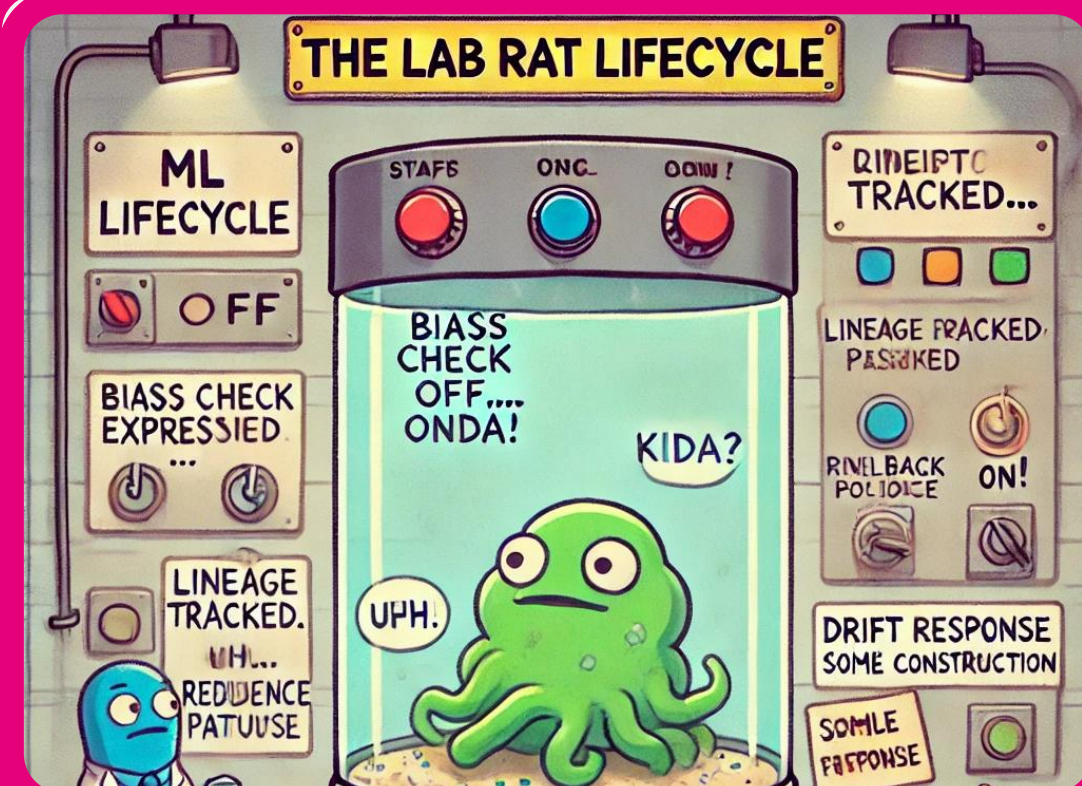




**Why Boards Care (Even If They Don't Say 'MLSecOps')**



**The ML Lifecycle, Revisited**

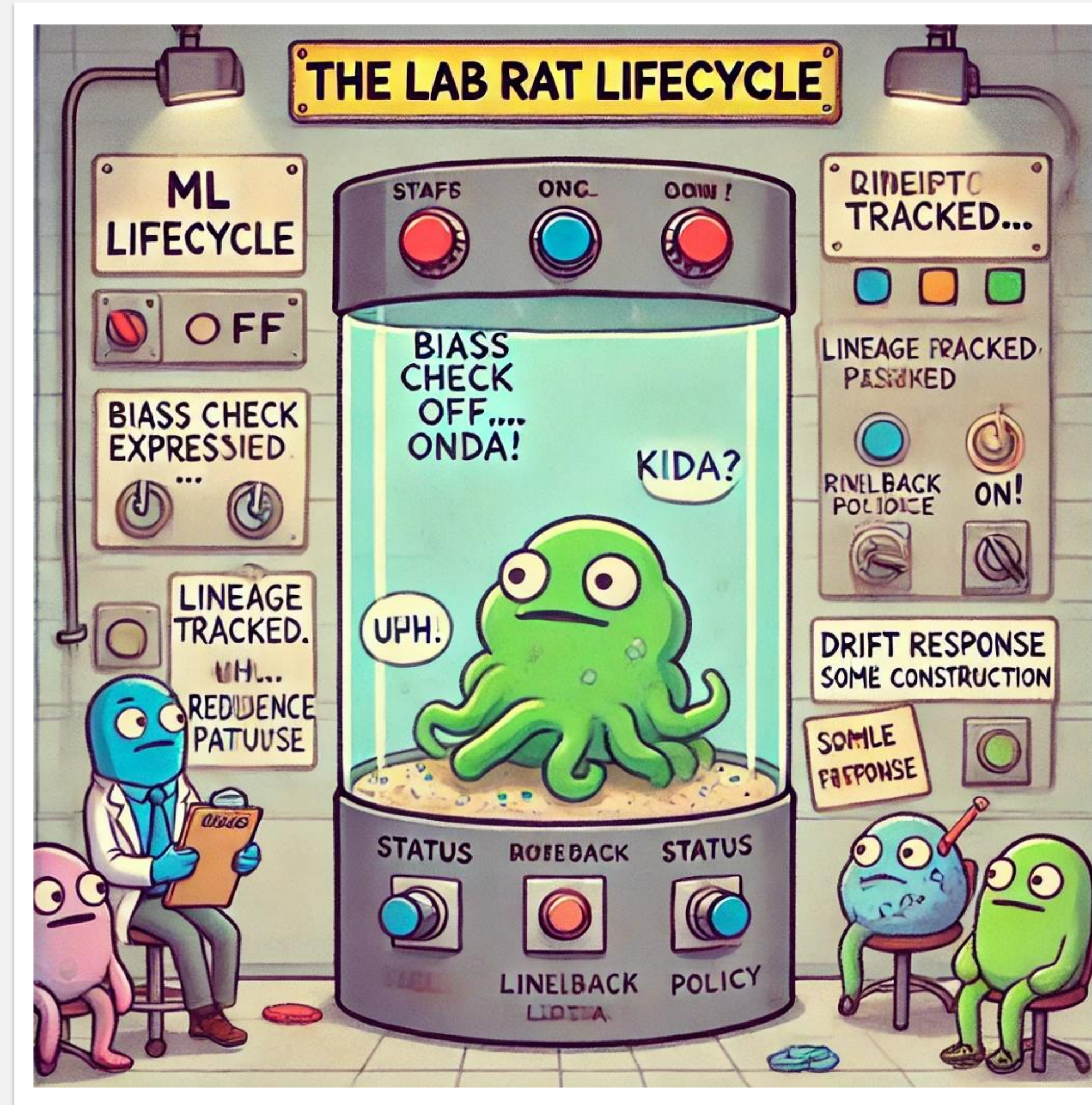


**Designing Resilience In (Not Bolting It On)**



## Designing Resilience In, Not Bolting It On

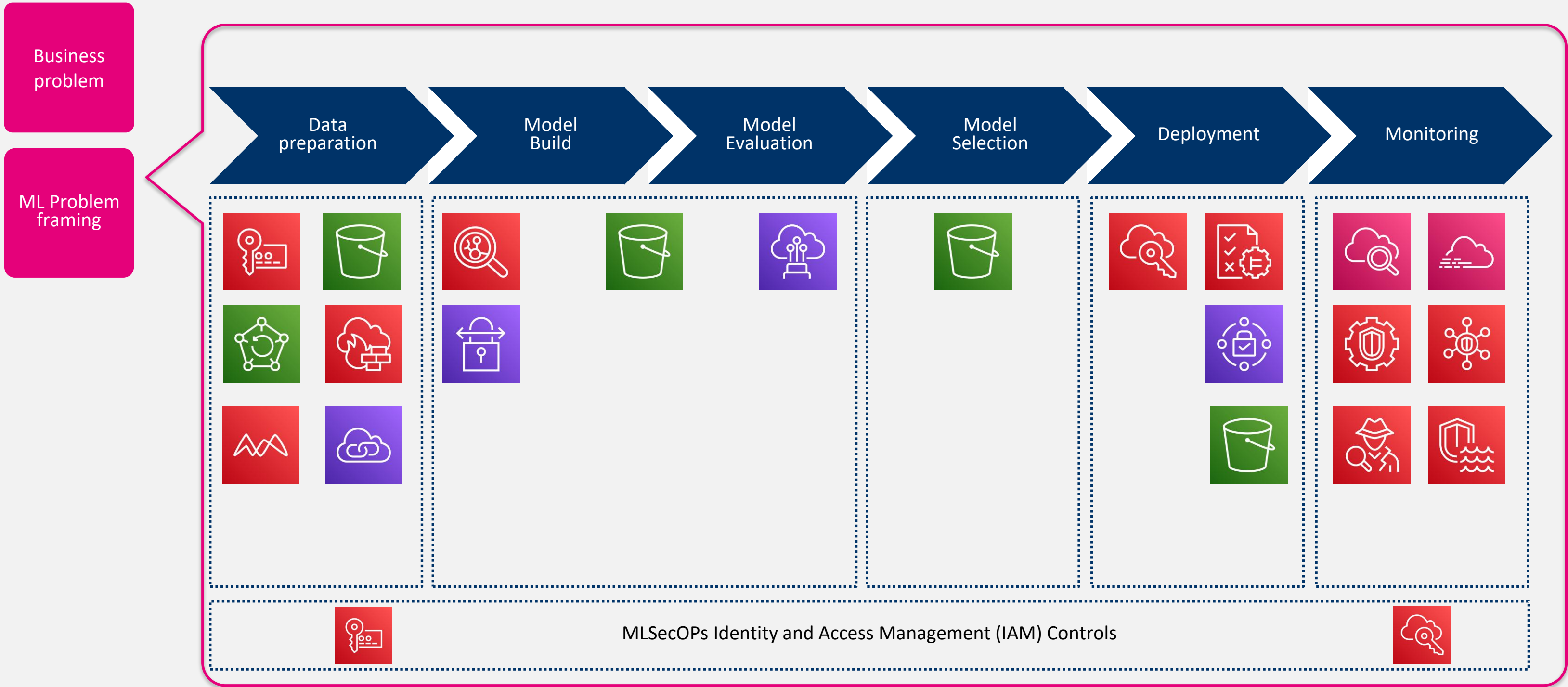
MLSecOps is how we express trust across the lifecycle — not once, but continuously.





Designing Resilience In, Not Bolting It On

MLSecOps is how we express trust across the lifecycle — not once, but continuously.



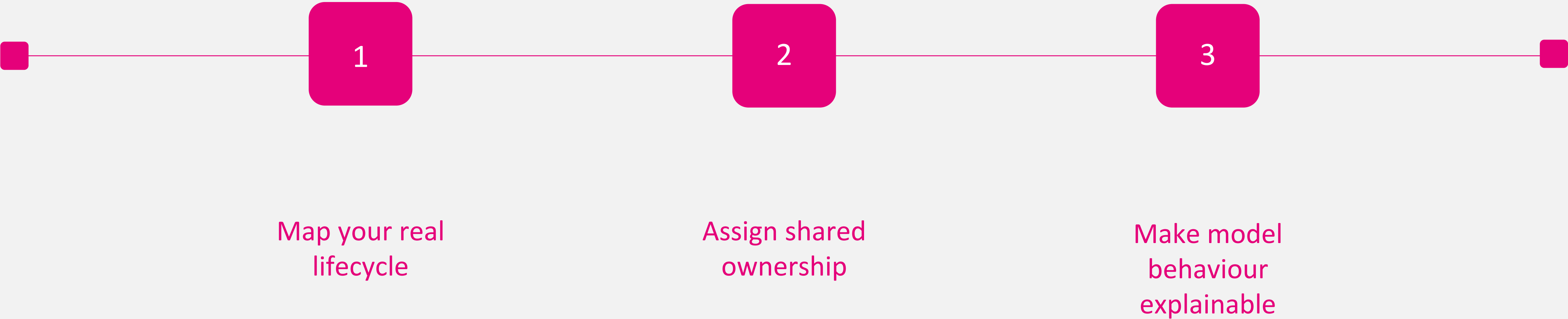


**Designing  
Resilience In,  
Where the  
Friction Really  
Lives**

It's not a tooling problem. It's a coordination problem.

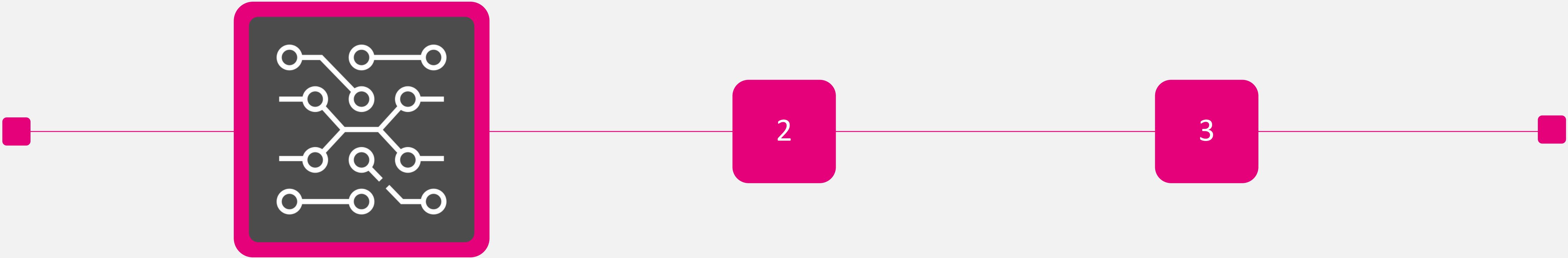


Ideas To Get You Started





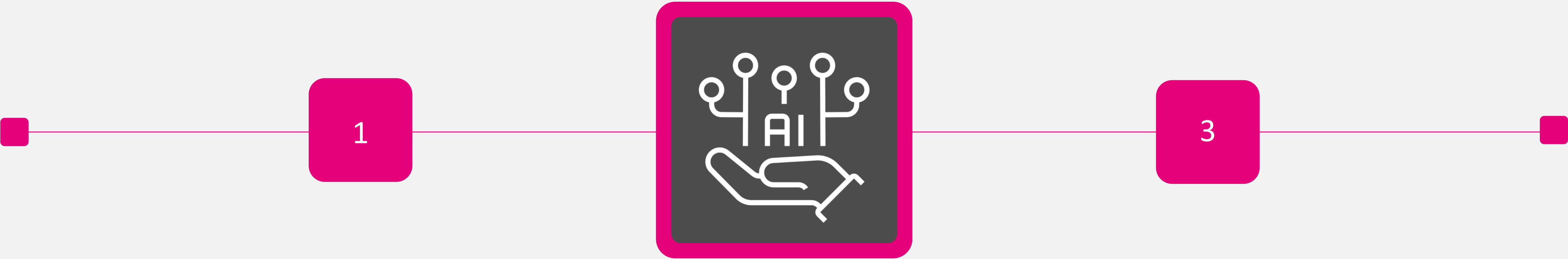
# Ideas To Get You Started



Map your real  
lifecycle

Not what's in the docs — what's  
actually happening.

# Ideas To Get You Started

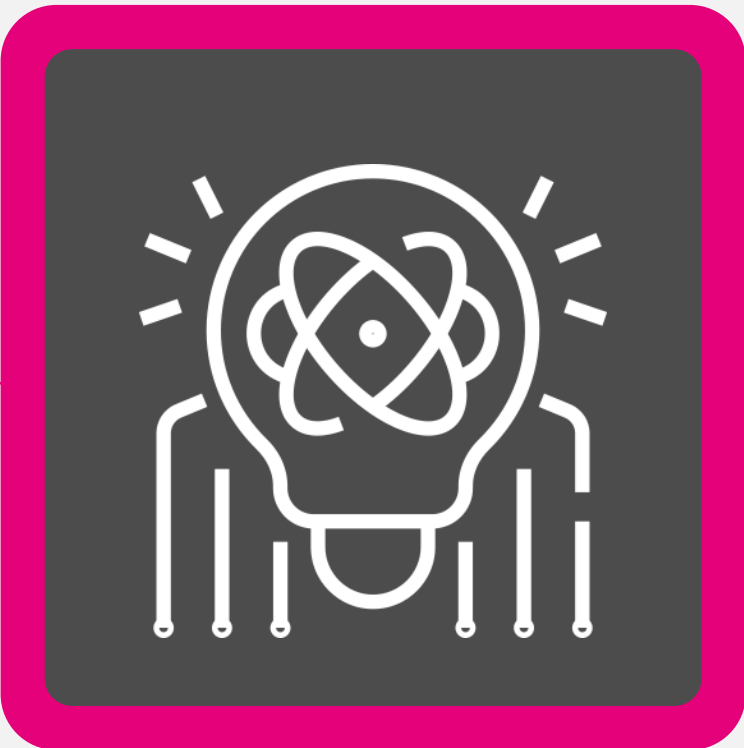


Assign shared  
ownership

Clearly define who owns what



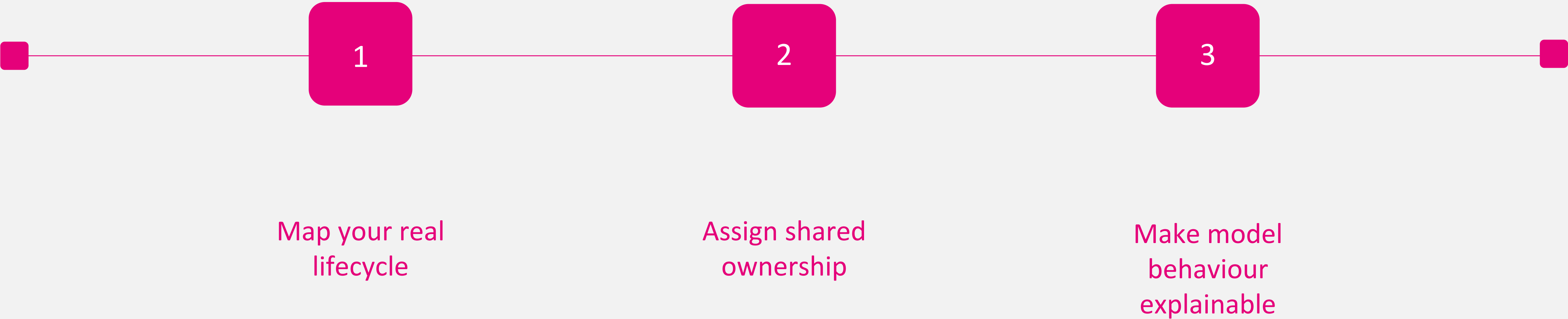
# Ideas To Get You Started



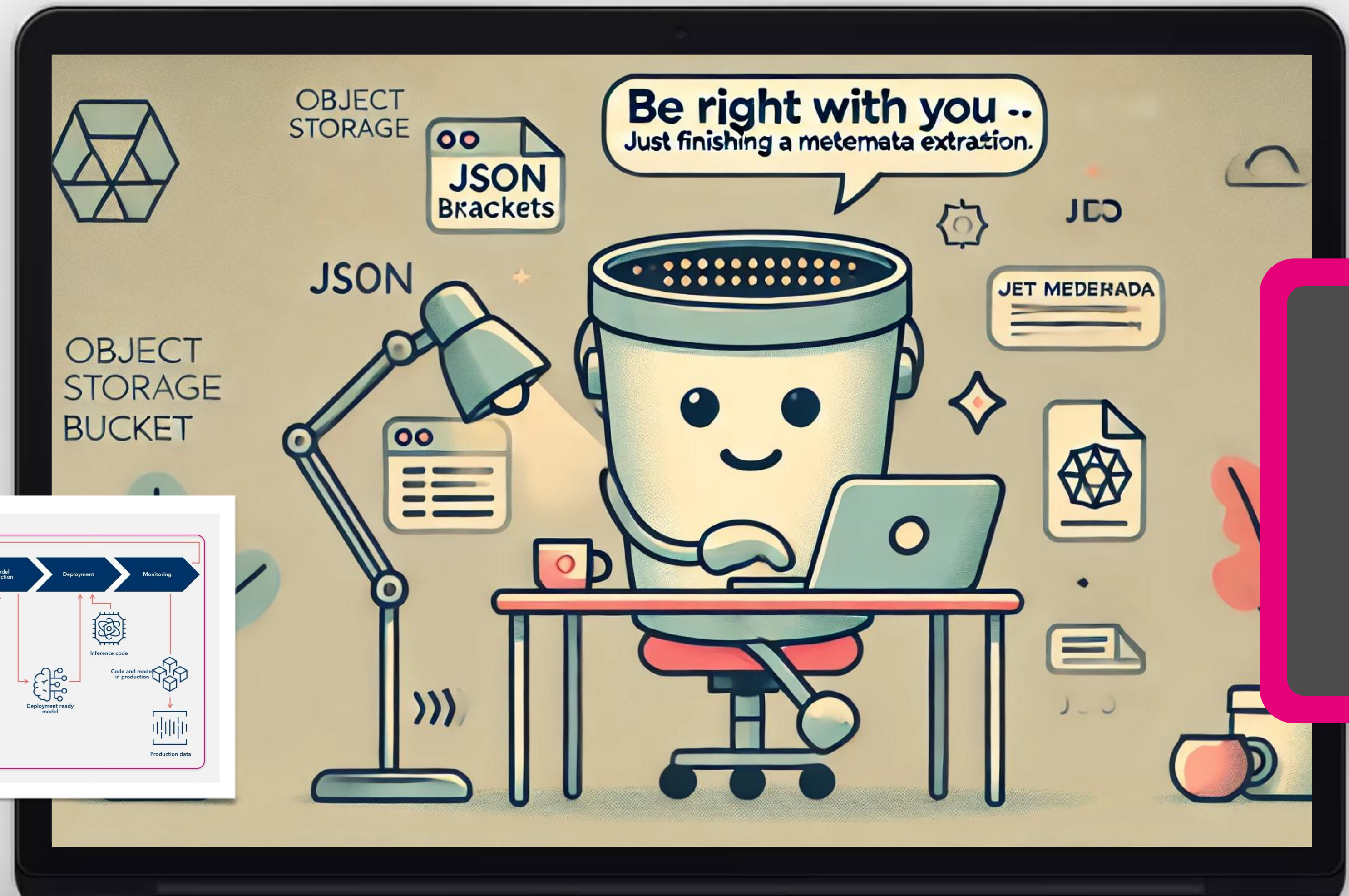
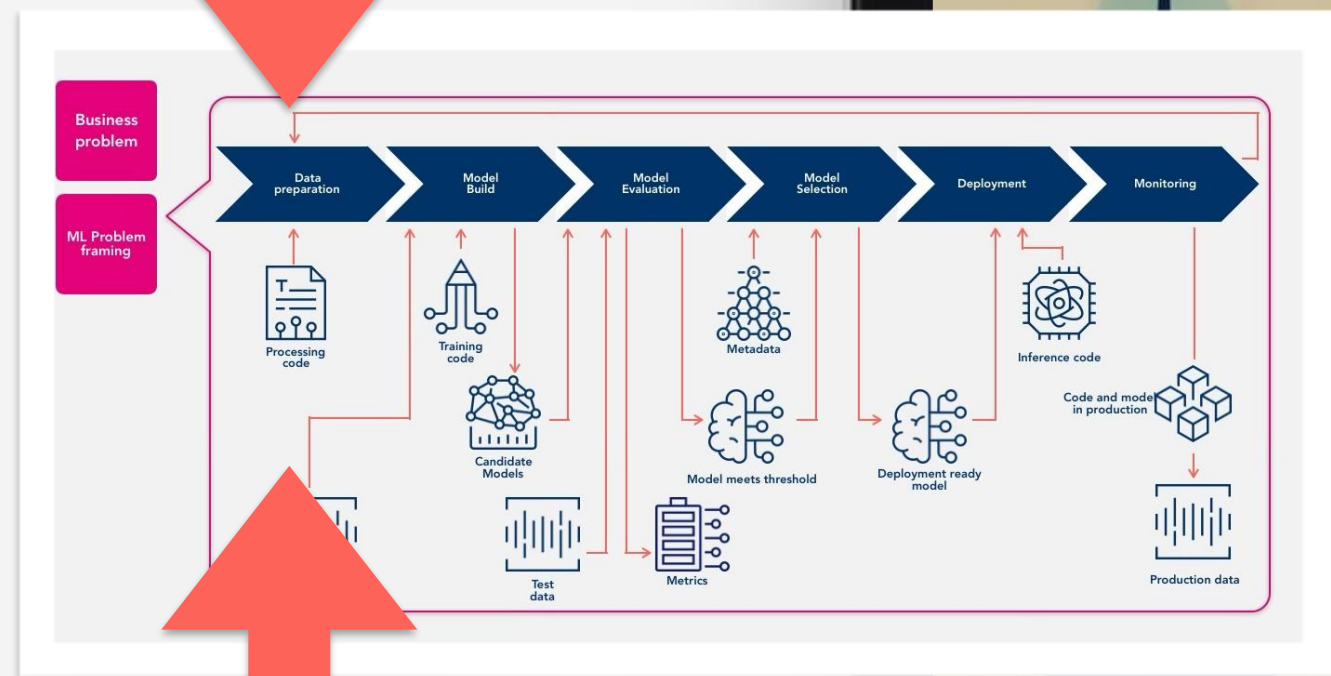
Make model  
behaviour  
explainable

You need just enough  
traceability to answer:  
“Why did this model do that?”

Ideas To Get You Started







What Storage  
Knows  
(That You Might  
Not)



Vriti Magee

[www.linkedin.com/in/vriti](https://www.linkedin.com/in/vriti)



# Thank you