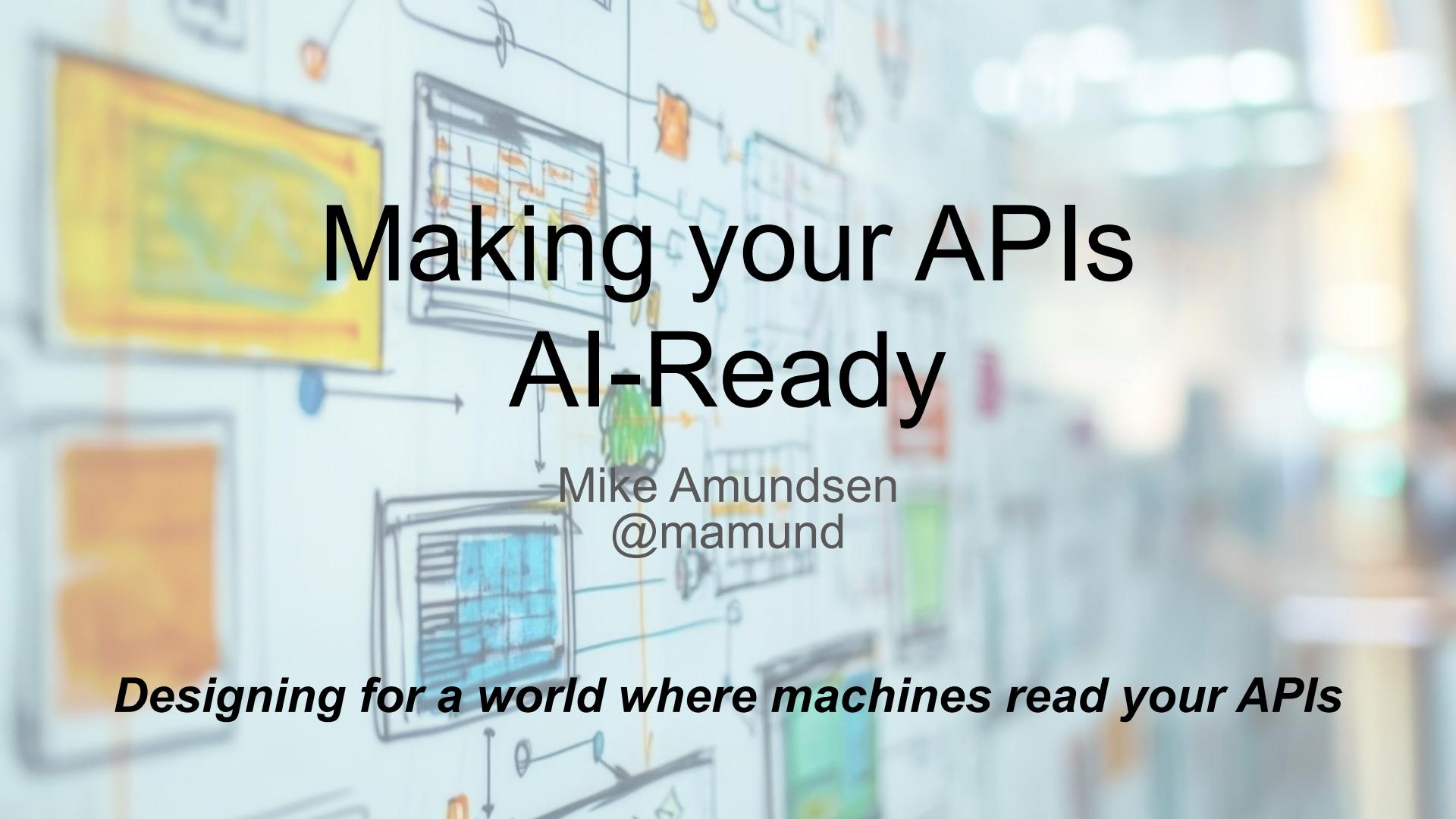


Making your APIs AI-Ready



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Designing for a world where machines read your APIs

Shift #5 : Observe, Adapt, Iterate

Observe, Adapt, Iterate : Overview

- Machines pay attention
- When agents fail
- How agents improve
- What we can do right now

Observe, Adapt, Iterate

*"Each pattern is a solution to a
problem in a context"*

– Christopher Alexander



Observe, Adapt, Iterate : Machines pay attention

- LLMs are not passive consumers
- Machines work to optimize their path
- As context/content changes, machines adapt

*You can influence machine learning by
adjusting responses*

Observe, Adapt, Iterate : When machines fail

- Agents get confused by inconsistencies in responses
- Agents may repeat mistakes (get stuck)
- Agents will make things up if needed

Machine failures indicate design problems.

Observe, Adapt, Iterate : How agents improve

- Agents recognize structured content
- Agents notice local patterns in context
- Agents consolidate content with identifiers

Machines form habits

Observe, Adapt, Iterate : What we can do right now

- Set up telemetry / monitoring for your APIs
- Run “traces” on existing LLM conversations
- Note frequent API errors (indicate design problems)
- Identify repeated API sequences (hint to redesign API)

Observability/iteration is your laboratory

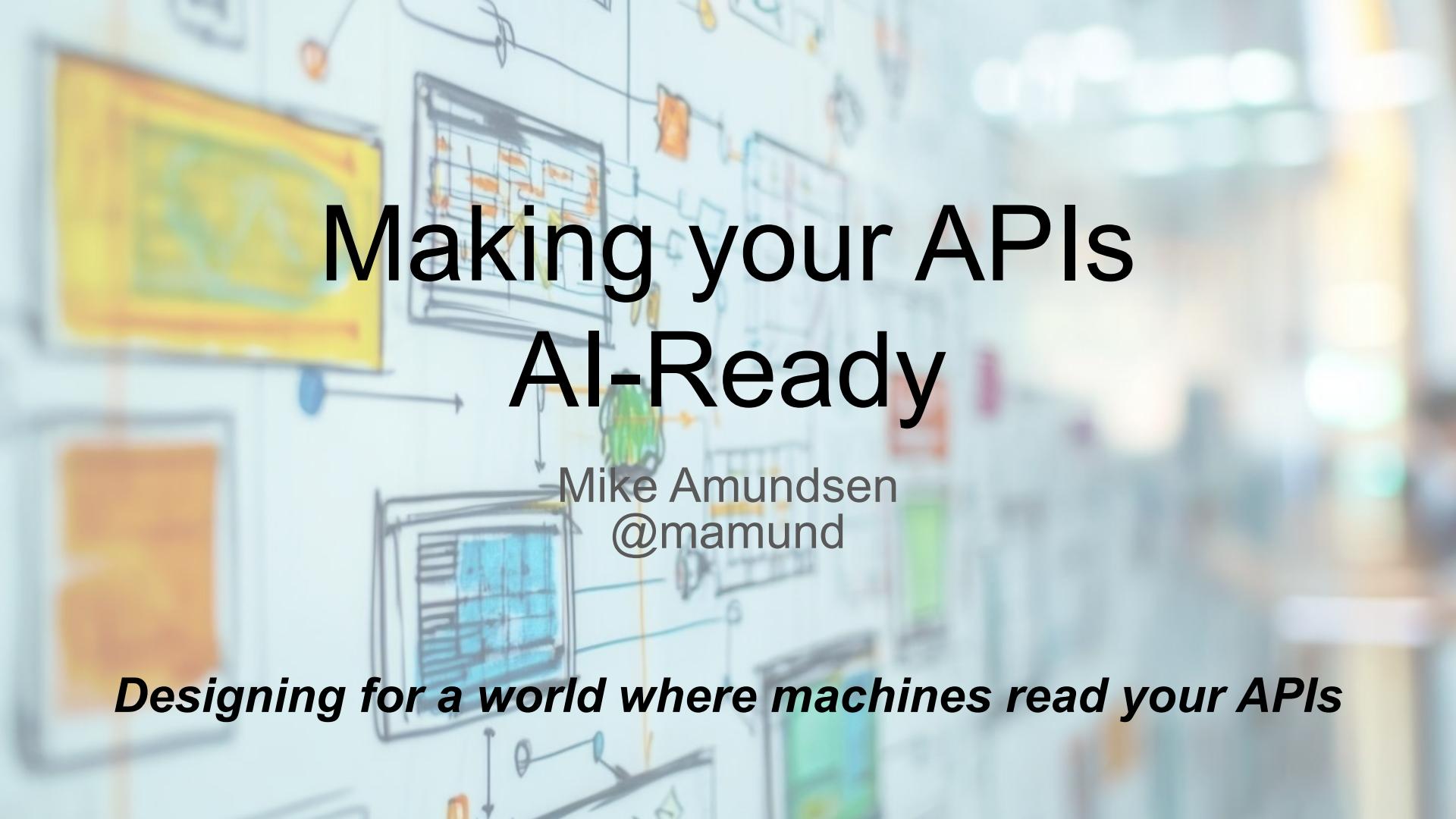
Observe, Adapt, Iterate : Summary

- Machines pay attention
 - Adjust responses to influence agents
- When agents fail
 - Failures indicate design problems
- How agents improve
 - Machines form habits
- What we can do right now
 - Observe and adjust over time

The future belongs to adaptive systems

Shift #5 : Observe, Adapt, Iterate

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