INTO THE BOX EDITION

SESSION

When Your Applications Work As a Team

LED BY

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SPEAKER AT ITB2023

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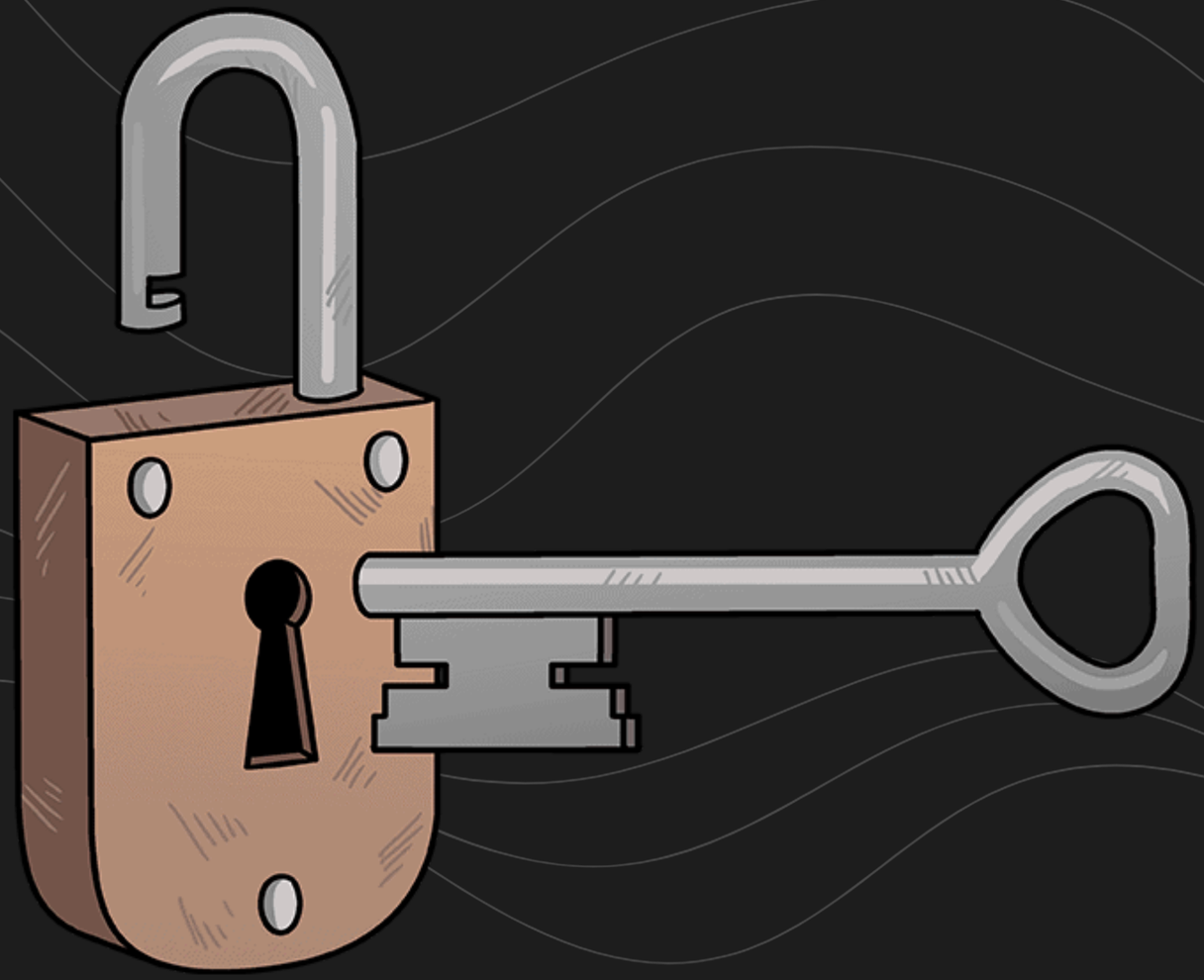
Basic info’s in the bio, but here’s a few random facts

- Lorem ipsum dolor (just kidding)
- Homeschooled until high school
- Flat roofer earlier in life
- Big Star Wars fan
- Musician (piano first, then guitar)
- I really like memes (buckle up)
- Ah yes, the red glasses
- CF developer by birth, semi-polyglot by force

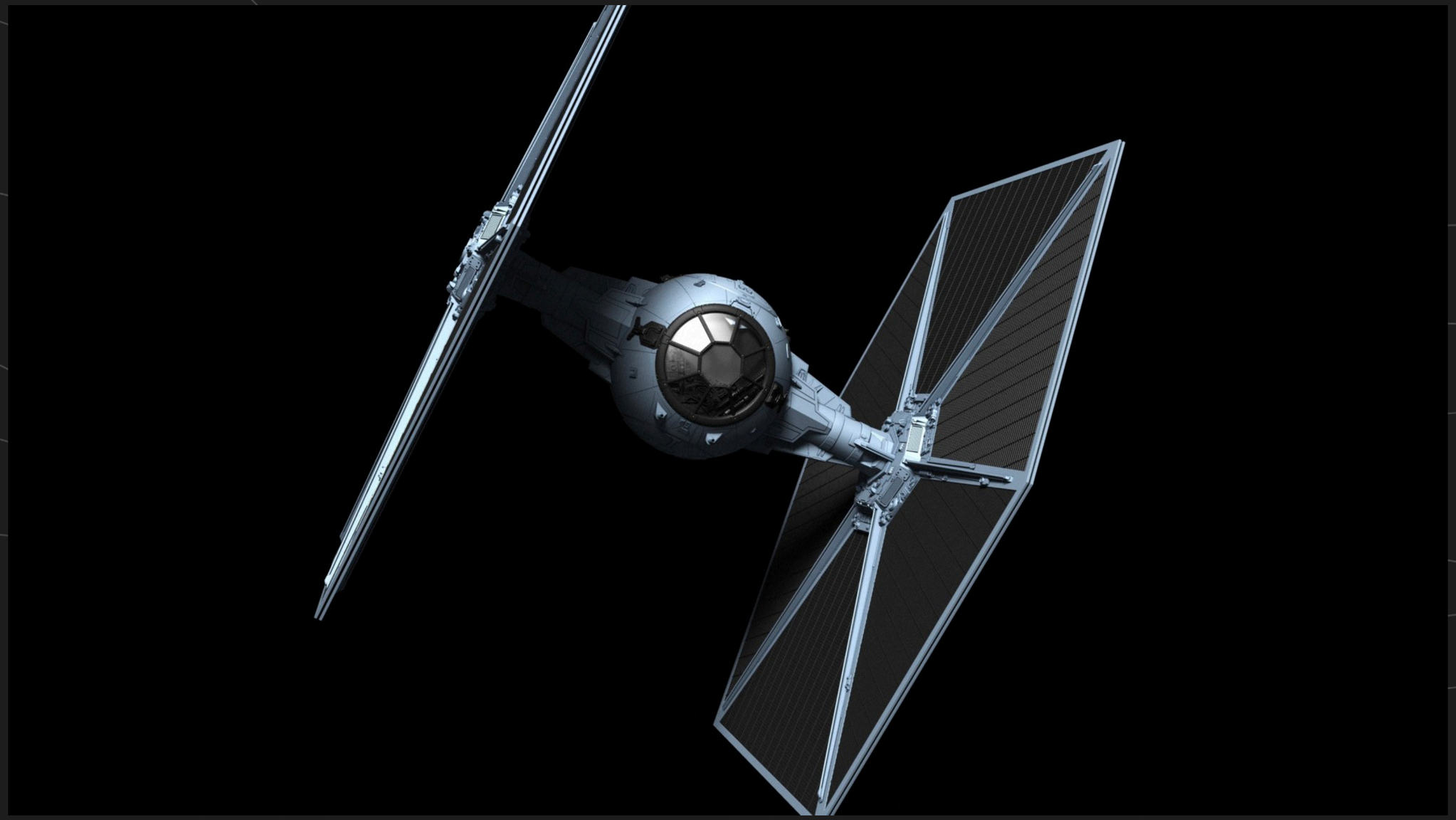
We’re not talking about this…

Or this…

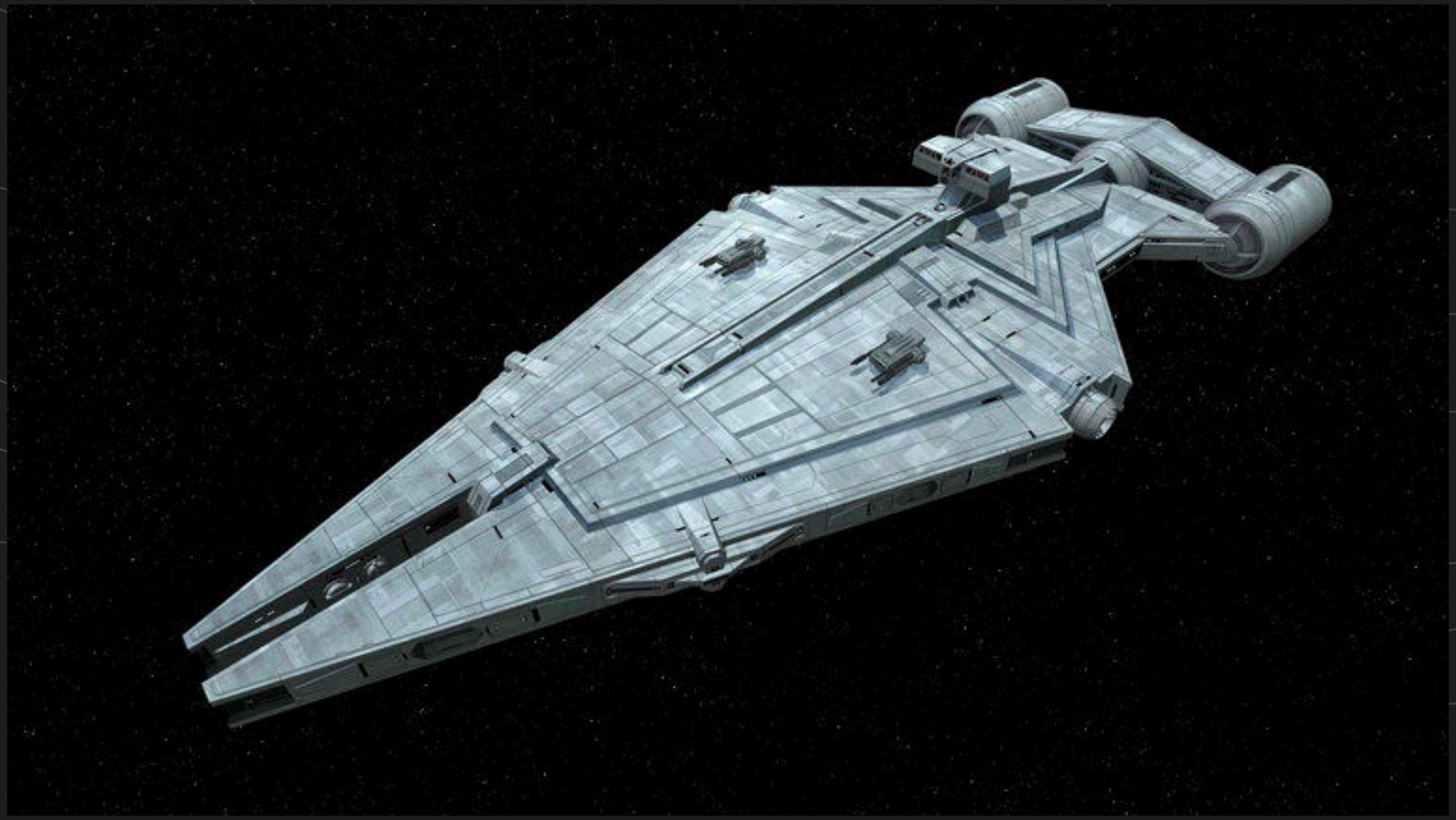
The right tool for the right job



Most projects start like this



Grow into something like this



And eventually become this

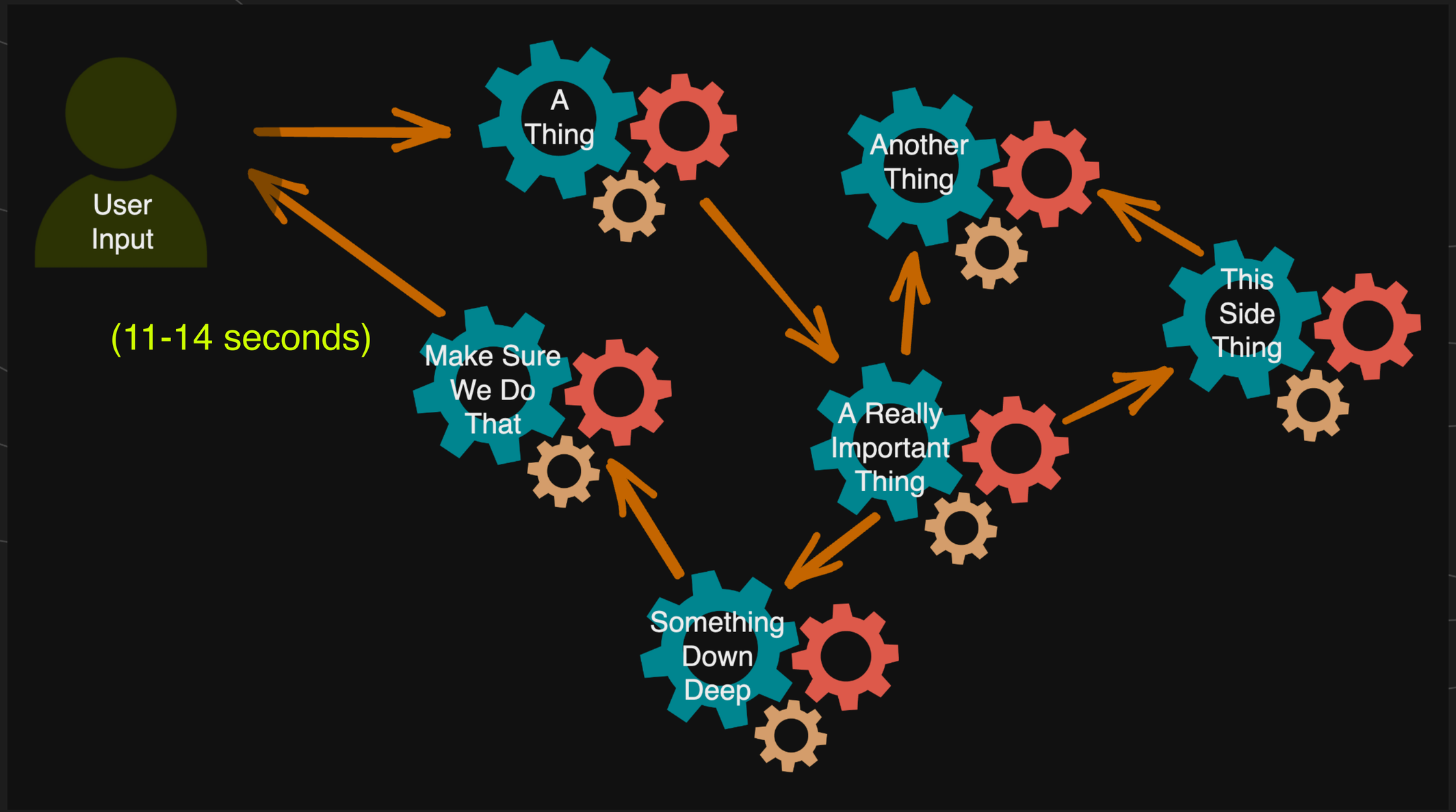
(this is a monolith)

Here’s an alternative

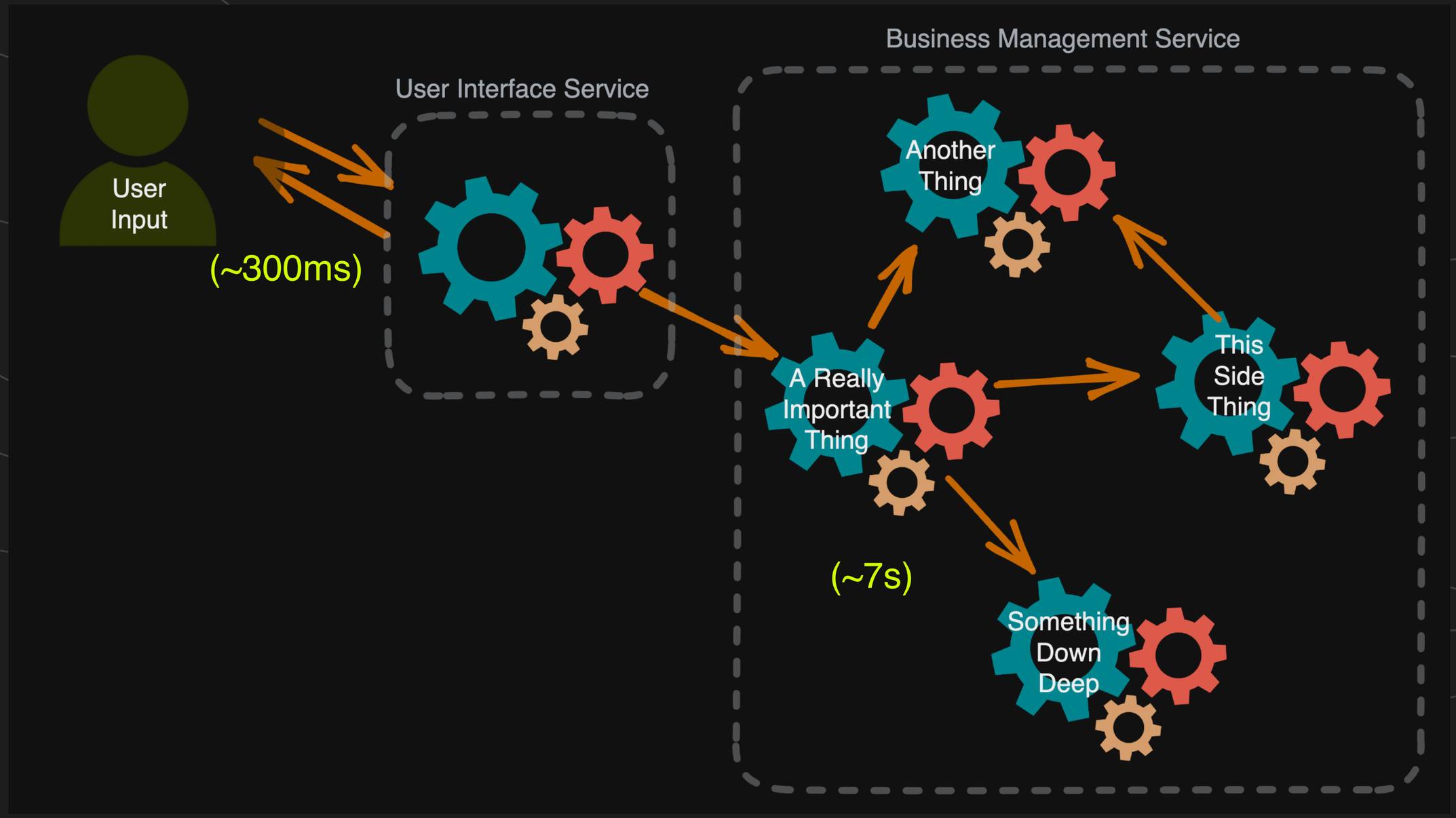
When is this the right tool?

When is this the right tool?

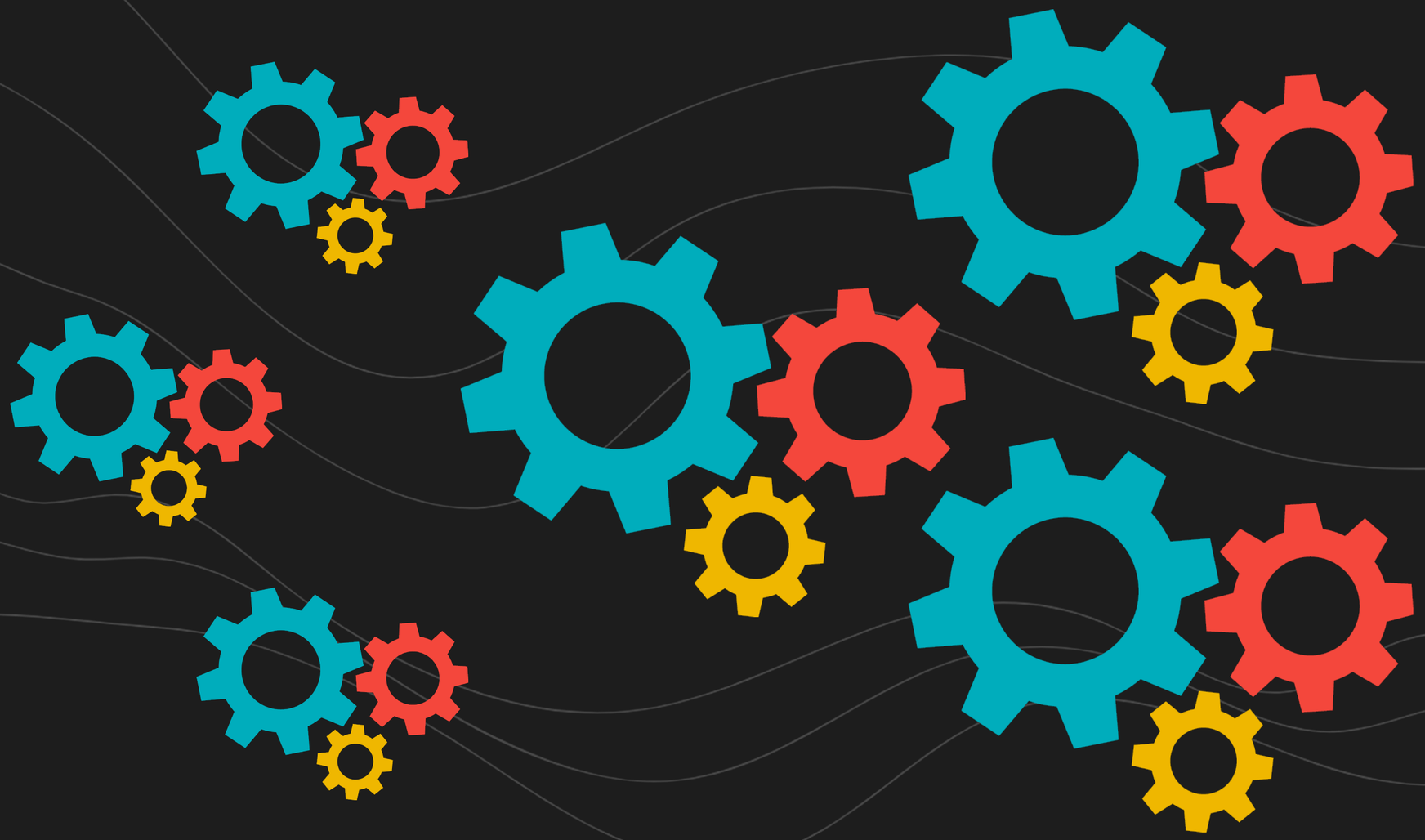
Personal Example 1: Long User Experience



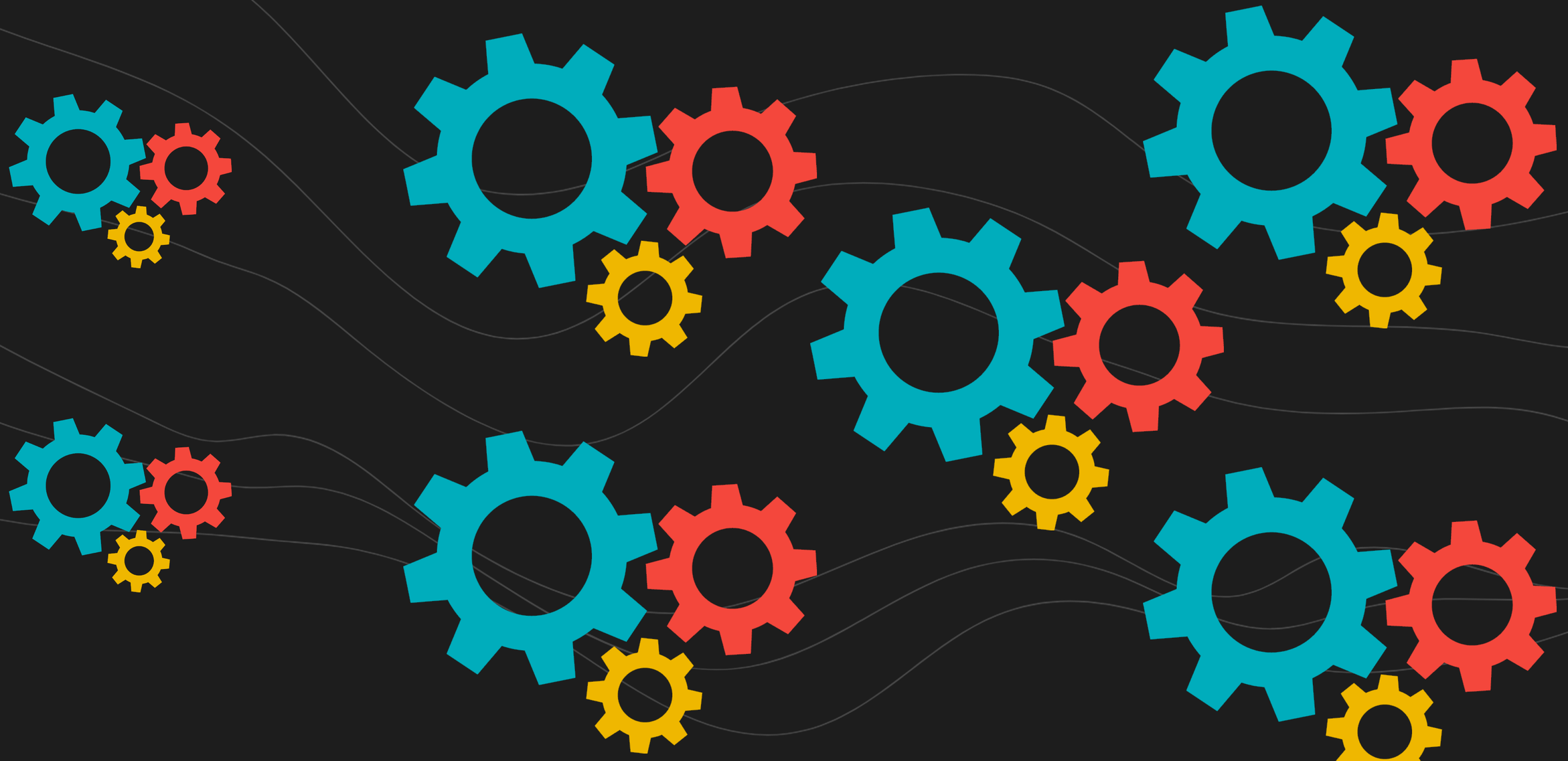
2 Microservices



Advantage: scale to the need



Which turned out to be more like…



In this case…

This was too slow & cumbersome

This provided a much better experience for the user & the business

When is this the right tool?

When is this the right tool?

Basic Guidelines

Make your applications distinct
by clearly defined functionality

Processes and data are “handed off”
very loosely coupled

“Application” is the sum total of the parts
(inner applications)

Let’s look at a (really) simple example

Since naming things is hard…

Yes, I really did that

The “inators”

Accessinator

Represents the access/entry point into a microservice ecosystem.

The “front door” if you will

Savinator

Represents data processors
of various types

Reportinator

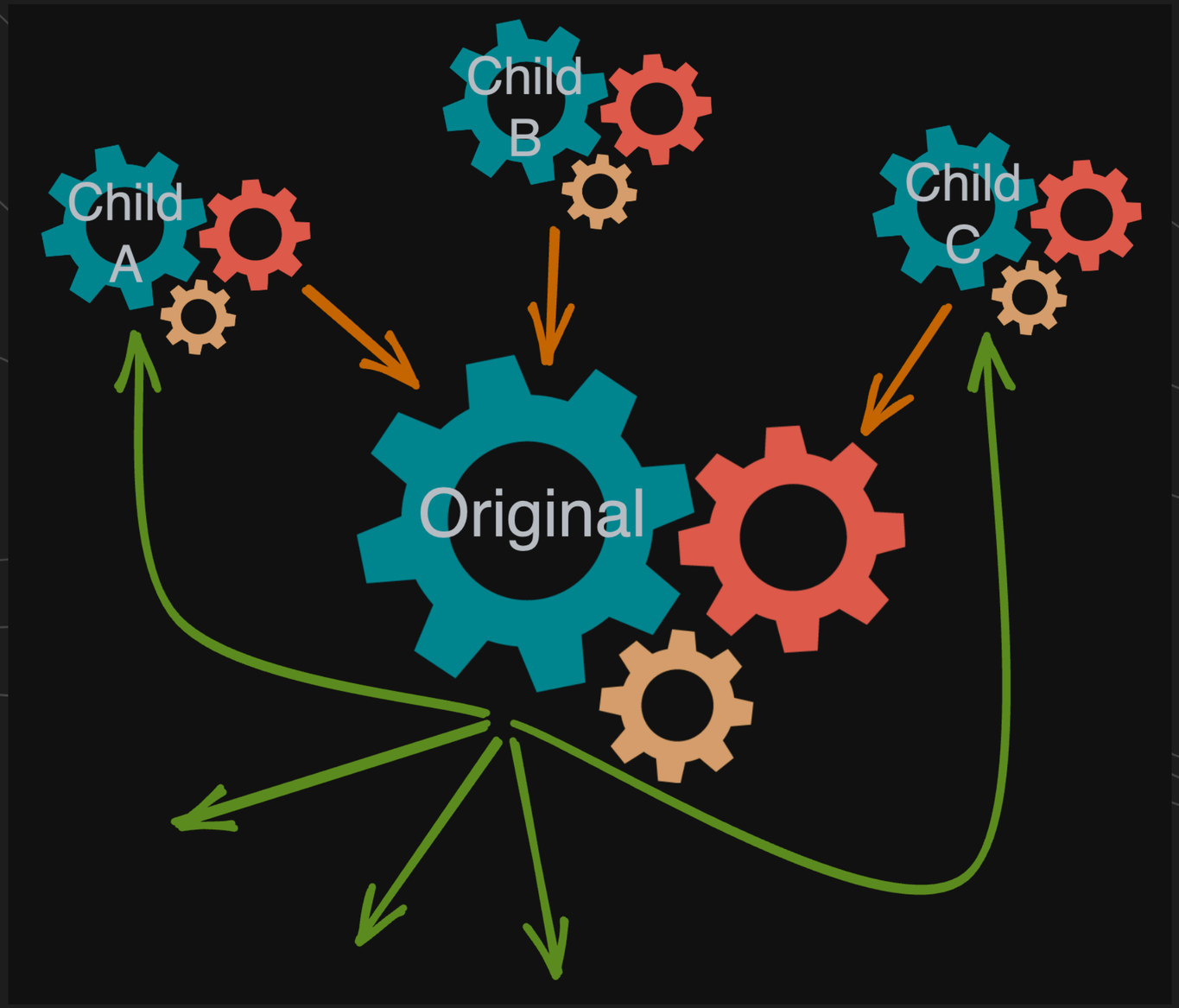
Represents data access layers like reports, output streams, or search

Interface is a simple text field

(which has never been done before)

Code Sample Time!

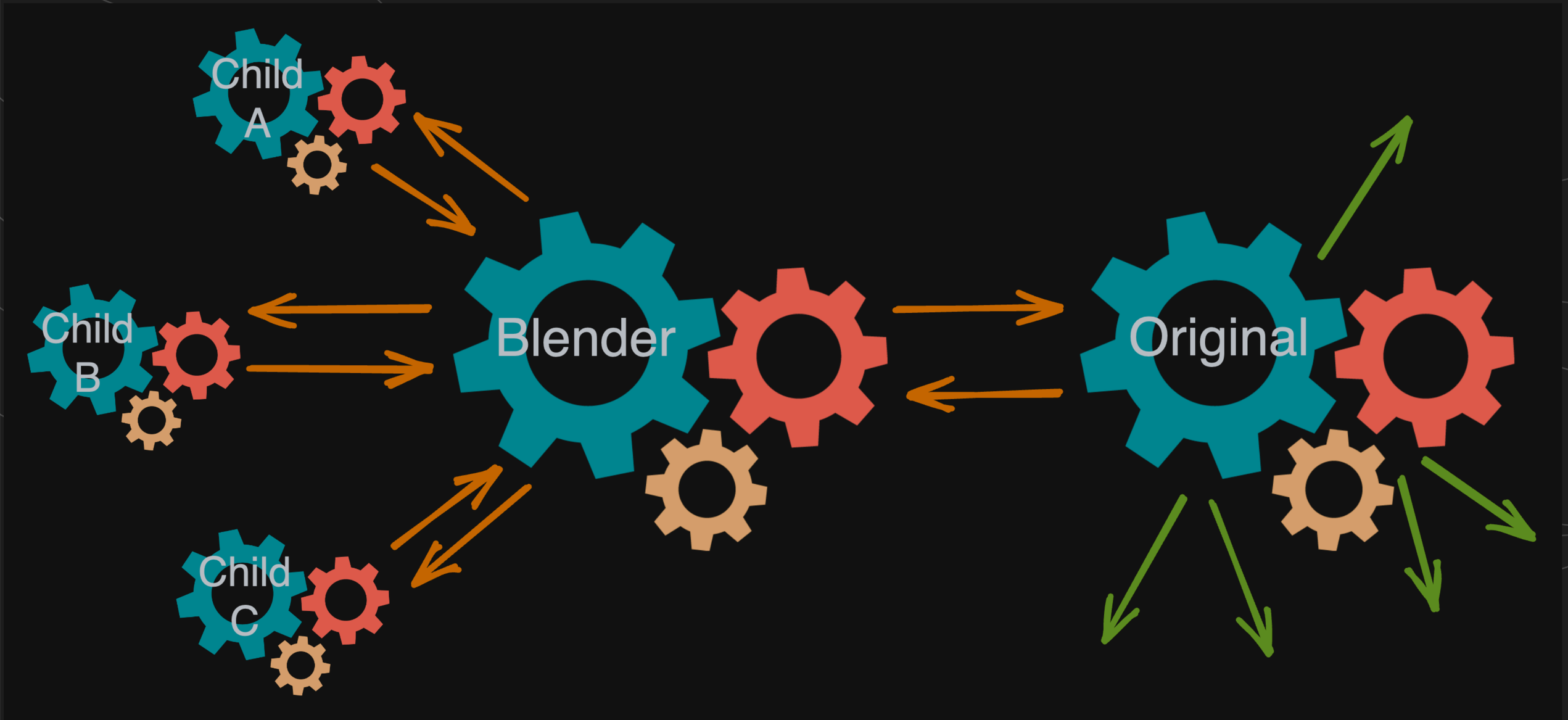
Personal Example 2: The Blender



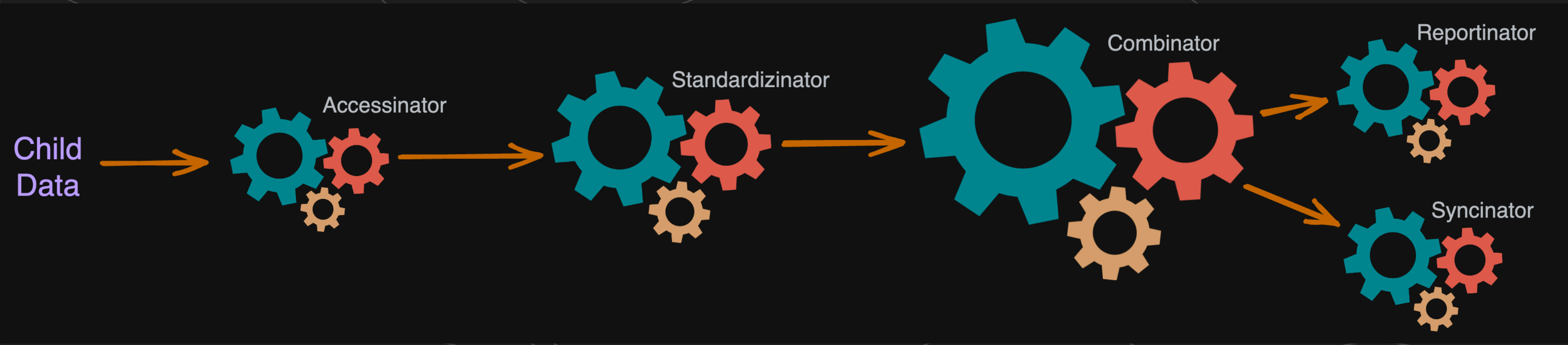
Problem:

Too many concerns on the original

Solution:



Blender Workings…



Common Thread:

In both real-world cases,
the original product developed in such a way
that was either:

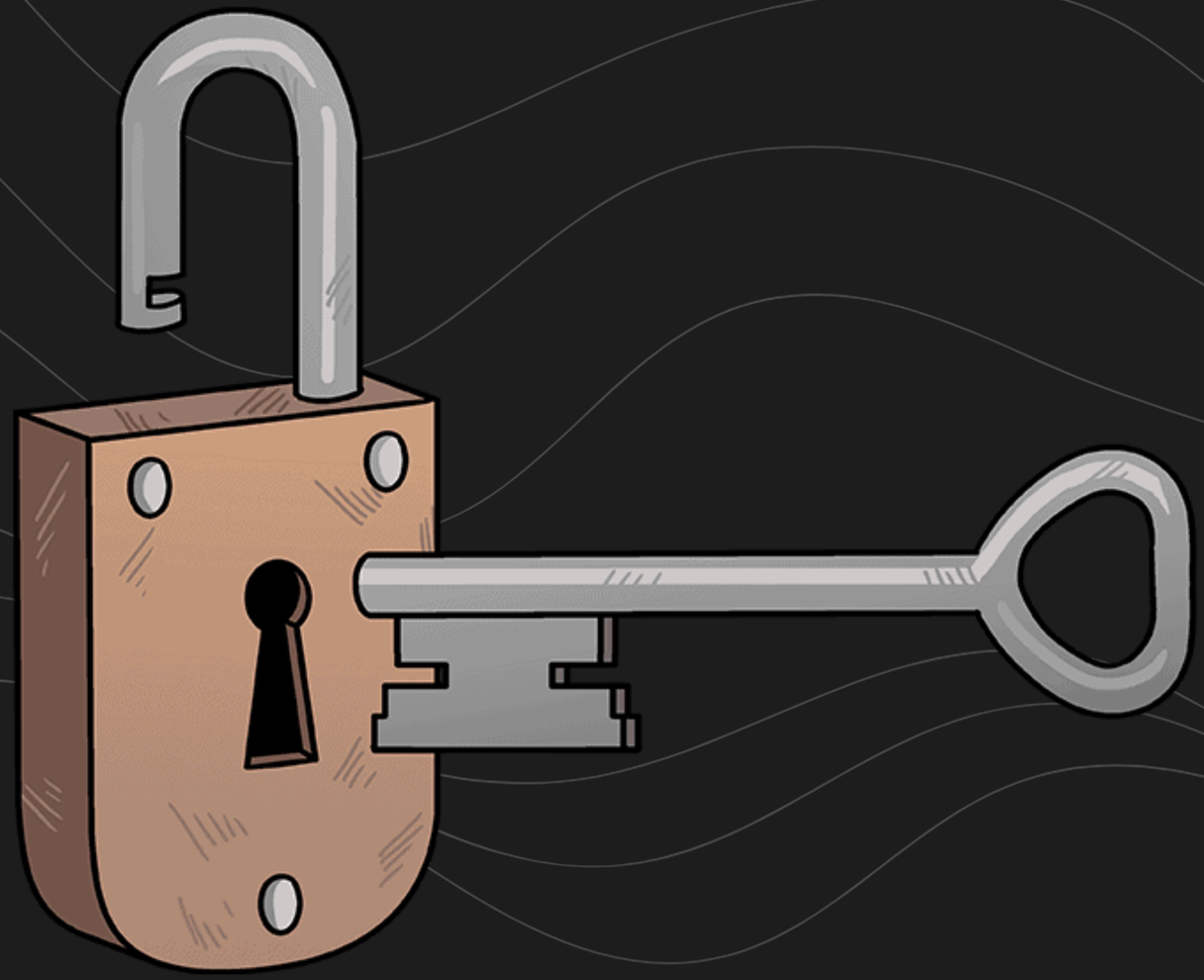
too slow or

over-stressed

In such a way that broken down, distributed, decoupled microservice application functionality fixed the identified problem

This does NOT mean:

Conclusion: The right tool for the right job



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