

# Sunsetting Legacy

Navigating the Shop merchant eligibility  
data pipeline migration

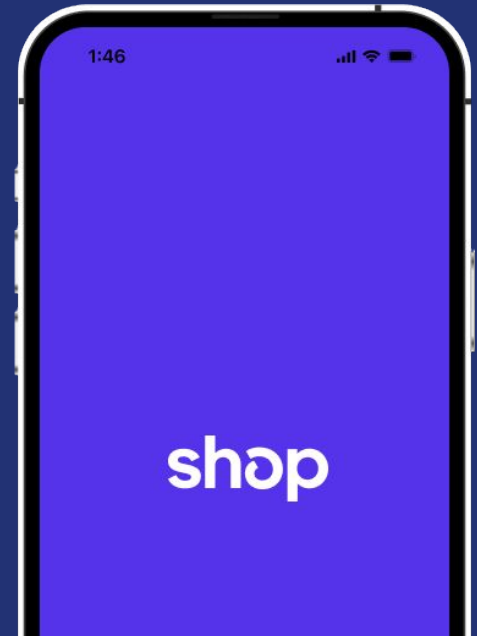
Dianing Yudono (she/her)



# Sunseting Legacy

Navigating the Shop merchant eligibility  
data pipeline migration

Dianing Yudono (she/her)





MySQL  
databases

Legacy  
platform

API server

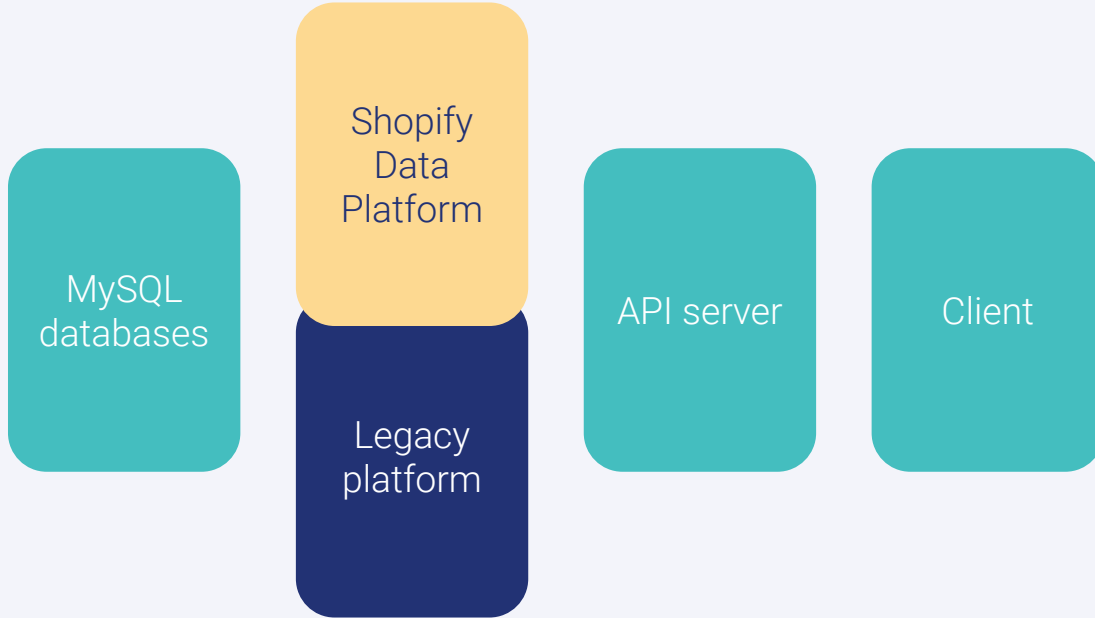
Client

MySQL  
databases

Legacy  
platform

API server

Client



known

unknown

known

unknown



known

unknown

known

*Knowledge*

**Large**

**Complex**

unknown




known

unknown

known

*Knowledge*

**Large**

**Complex**

*Gaps*

**Context**

**Skills**

unknown

known

unknown

known

*Knowledge*

**Large**

**Complex**

*Gaps*

**Context**

**Skills**

unknown

*Risks*

**Potential disruptions**

known

unknown

known

*Knowledge*

**Large**

**Complex**

*Gaps*

**Context**

**Skills**

unknown

*Subconscious knowledge*

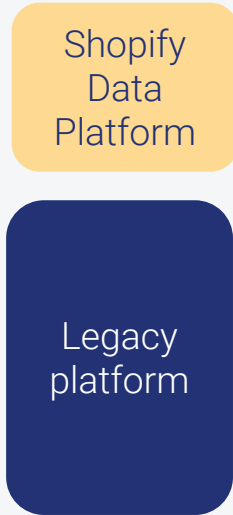
*Risks*

**Potential disruptions**

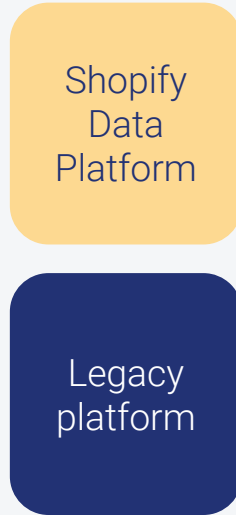
start



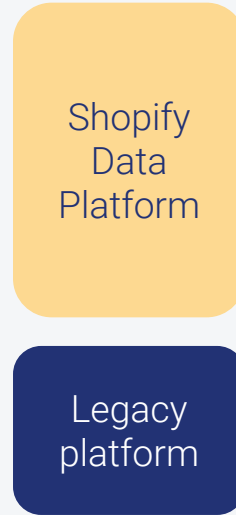
early



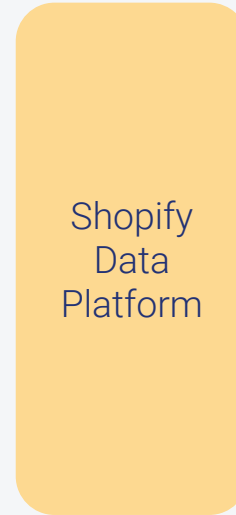
midway



late



end



# Strangler fig

Martin Fowler



known

unknown

known

*Knowledge*

**Large**

**Complex**

*Gaps*

**Context**

**Skills**

unknown

*Subconscious knowledge*

*Risks*

**Potential disruptions**

	known	unknown
known	<p><i>Knowledge</i></p> <p><b>Large</b></p> <p><b>Complex</b></p>	<p><i>Gaps</i></p> <p><b>Context</b></p> <p><b>Skills</b></p>
unknown	<p><i>Subconscious knowledge</i></p>	<p><i>Risks</i></p> <p><b>Potential disruptions</b></p> <p><b>Hidden features</b></p>

known

unknown

known

*Knowledge*

**Large**

**Complex**

*Gaps*

**Context**

**Skills**

unknown

*Subconscious knowledge*

**Circuit breaker**

*Risks*

**Potential disruptions**

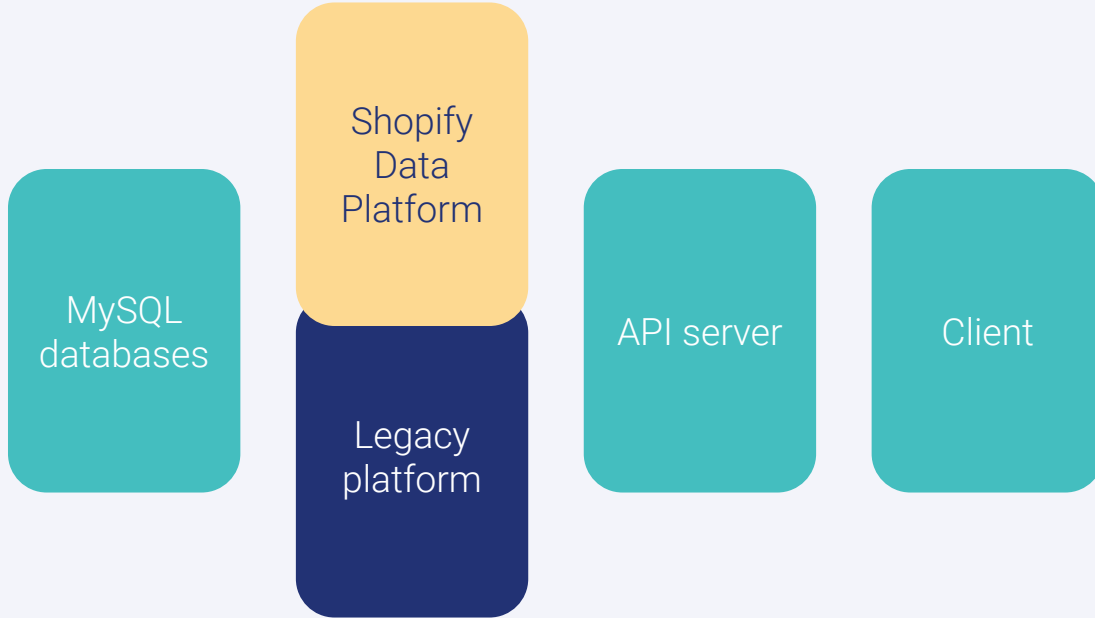
**Hidden features**

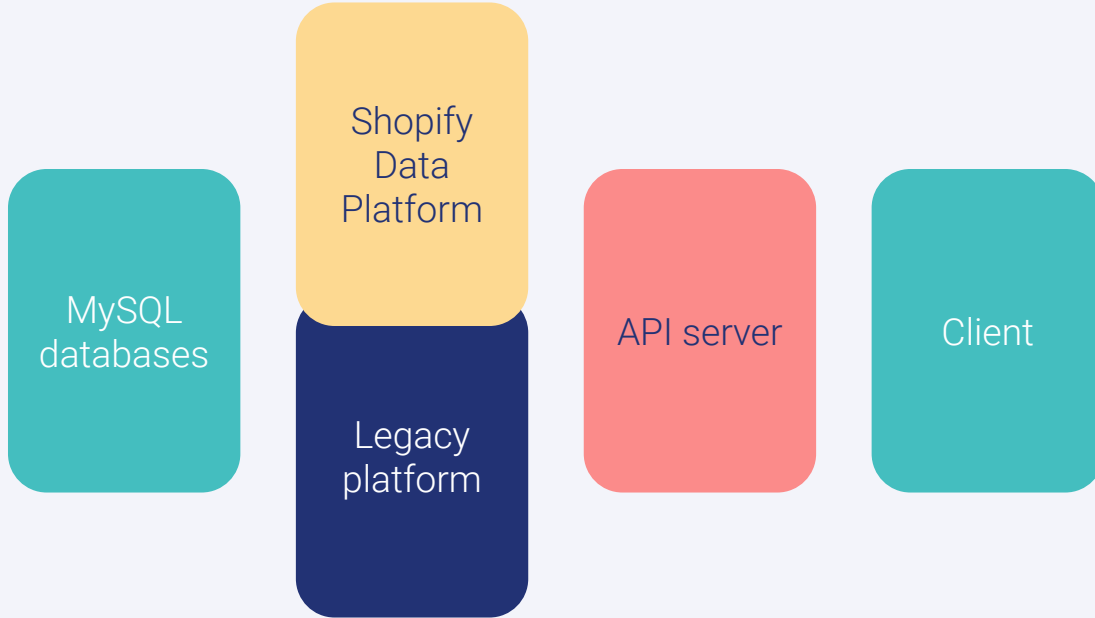


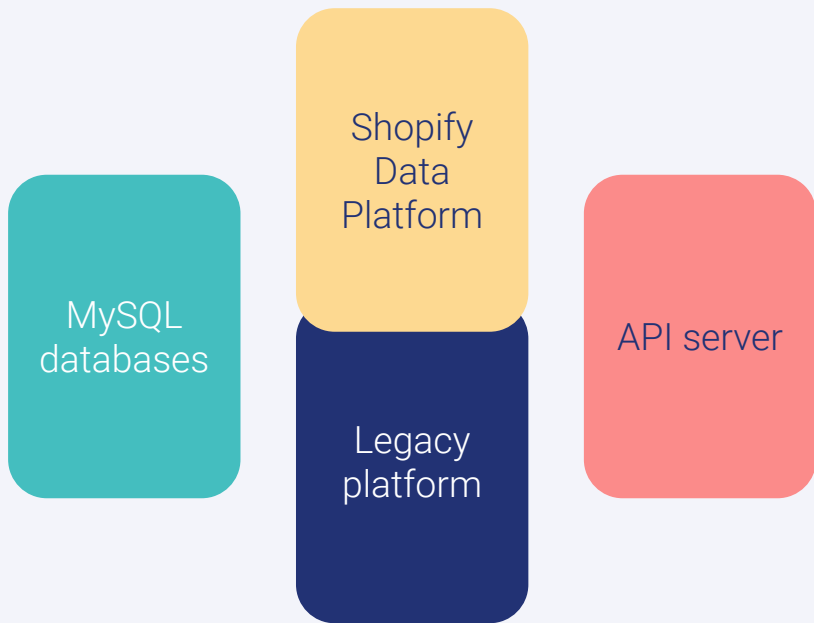
**high maintenance**

If the legacy doesn't need  
high maintenance  
**don't sunset it**

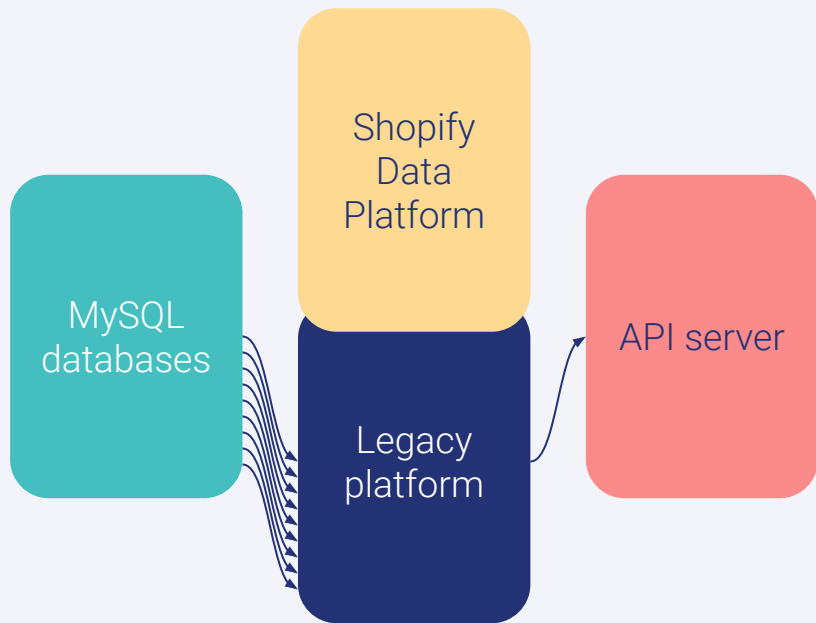
Dianing Yudono



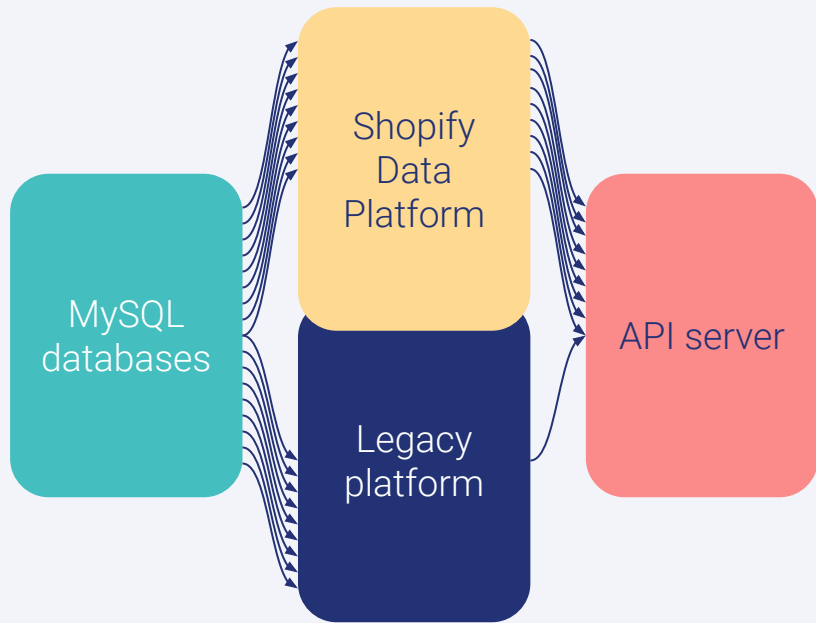




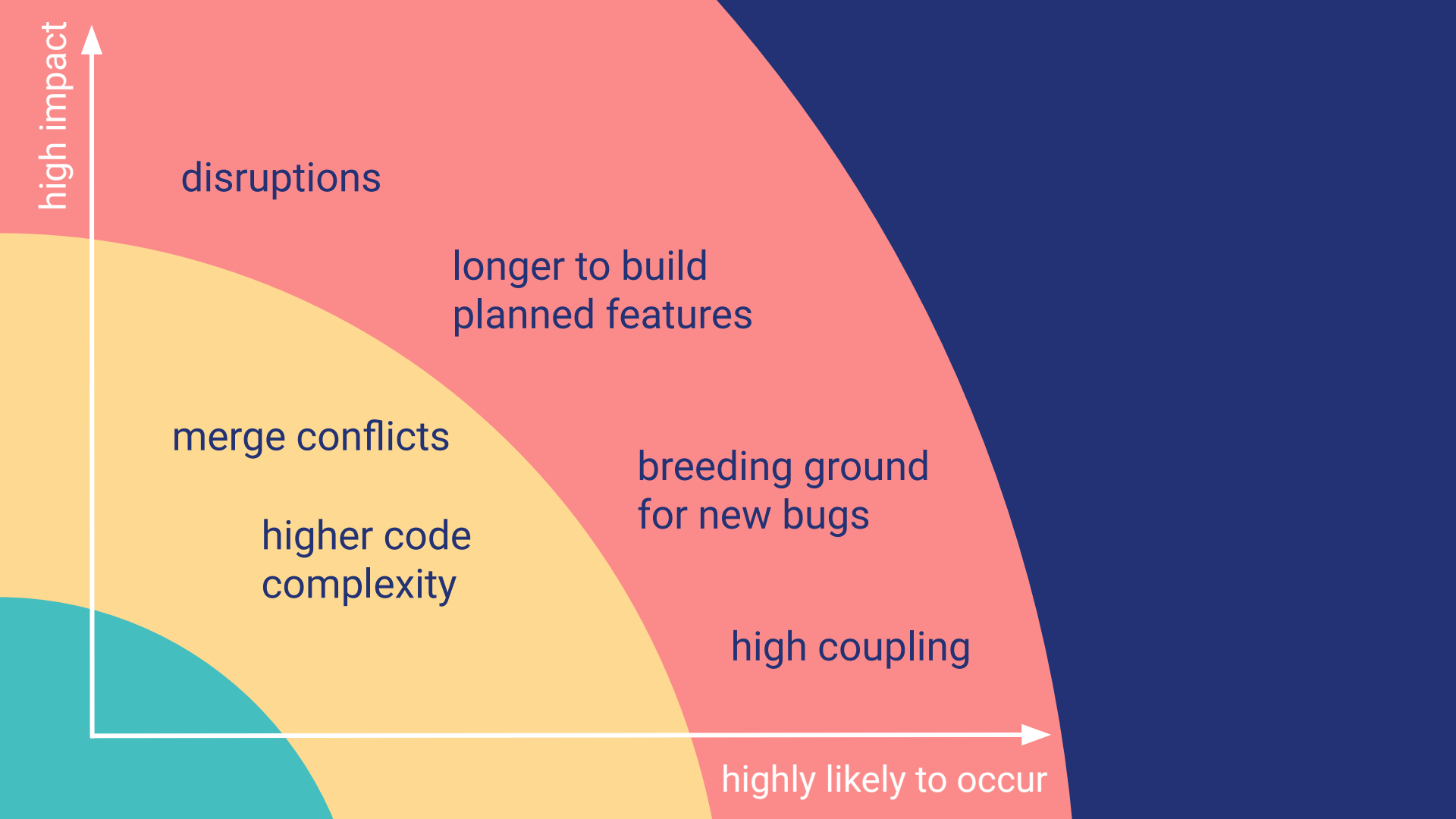
**If it ain't broke,  
don't fix it.**



**If it ain't broke,  
don't fix it?**



**If it ain't broke,  
don't fix it?**





high impact

disruptions

longer to build  
planned features

merge conflicts

higher code  
complexity

breeding ground  
for new bugs

high coupling

highly likely to occur

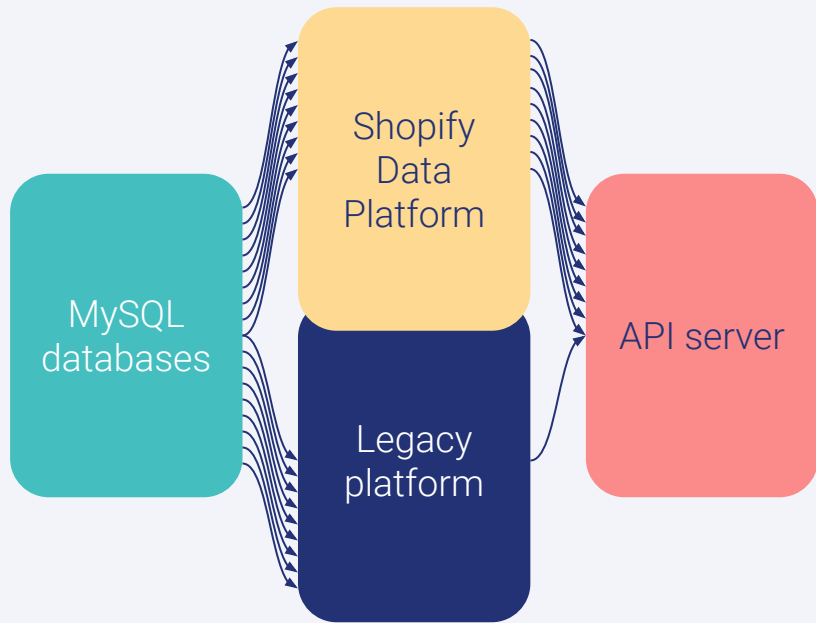
~~Thrive on change~~

~~Build for long term~~

*planned* innovations

If the legacy doesn't block  
*planned* innovations  
**don't sunset it**

Dianing Yudono



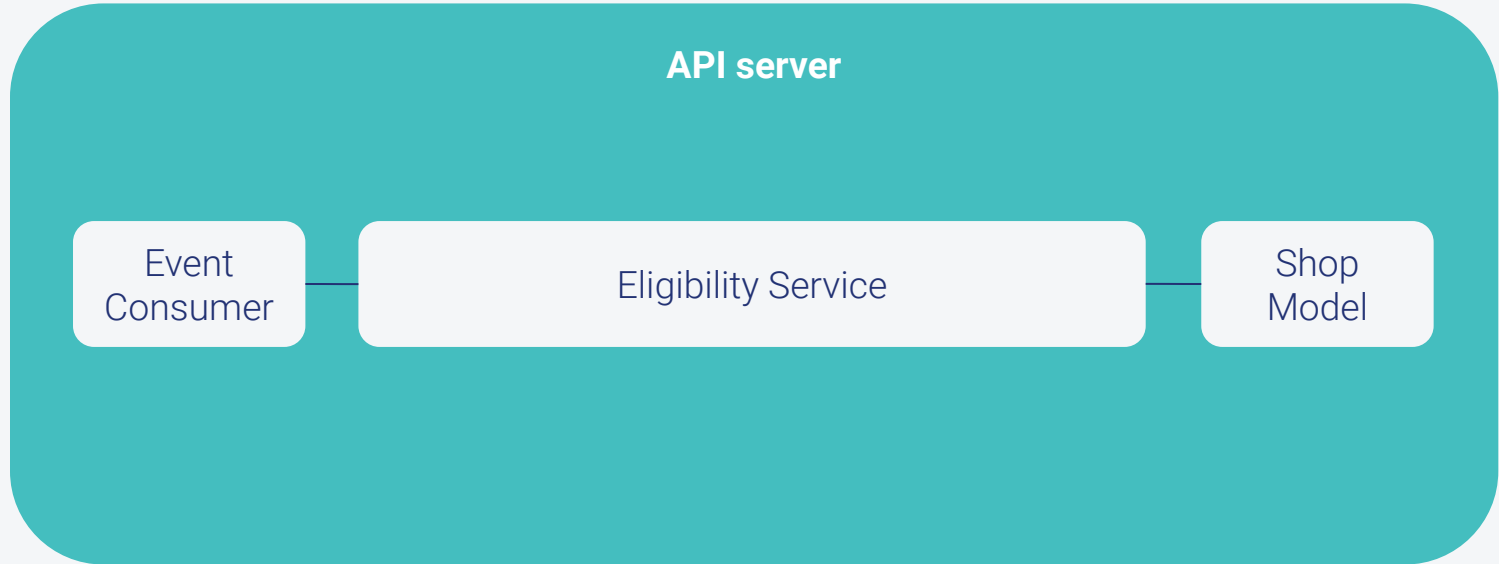
**It'll go broke,  
let's fix it.**

## API server

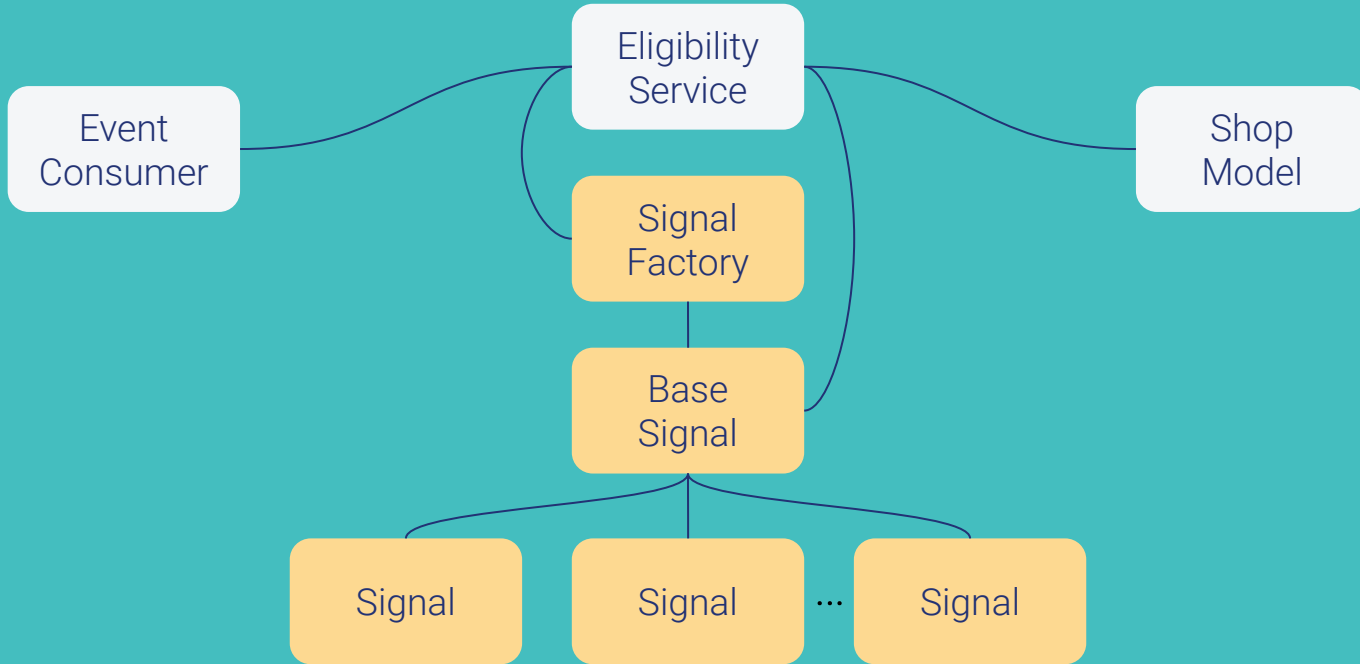
Event  
Consumer

Eligibility Service

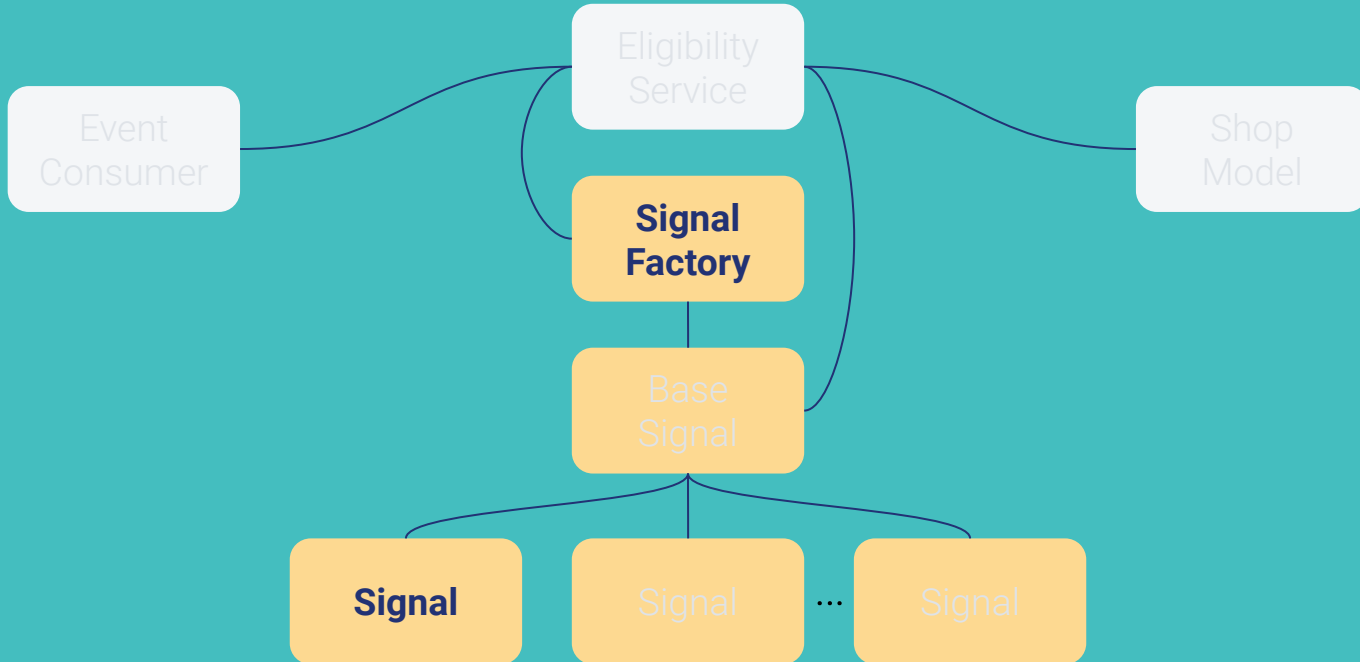
Shop  
Model



## API server



## API server



O'REILLY®

Second  
Edition

Head First

# Design Patterns

Building Extensible  
& Maintainable  
Object-Oriented  
Software

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Eric Freeman &  
Elisabeth Robson  
with Kathy Sierra & Bert Bates



A Brain-Friendly Guide





# Nothing in technology *isn't* sociotechnical

Diana Montalion



**new features**

# When migrating a legacy don't add new features

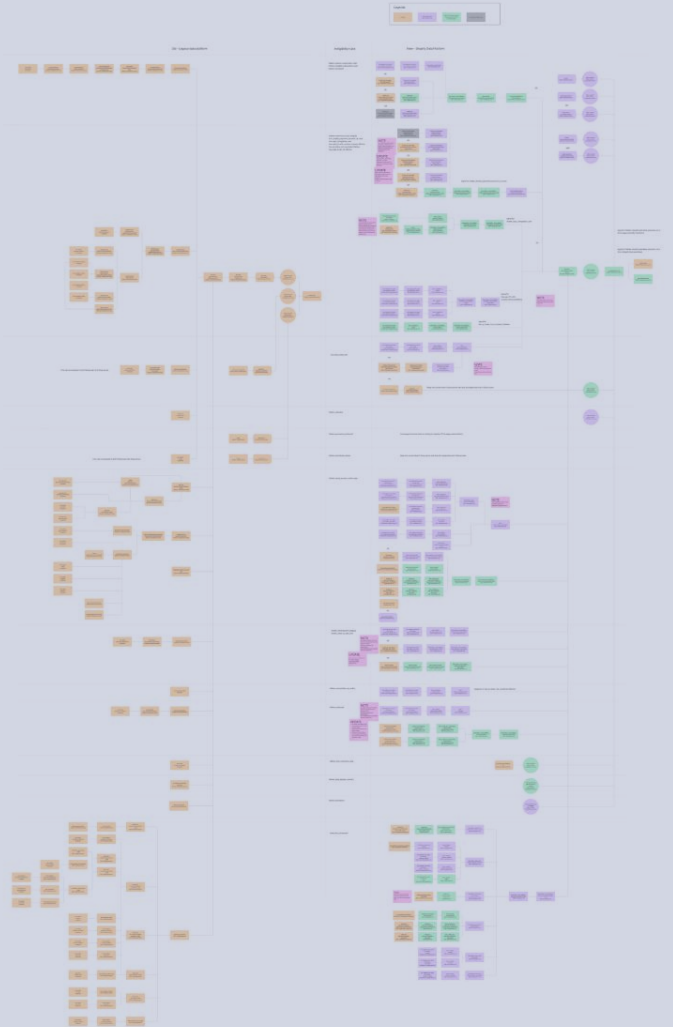
Dianing Yudono

# **Architectural Decision Records**

**Architectural  
Decision  
Records**  
**With a twist**

# Architectural Decision Records

With a twist



# Architectural Decision Records

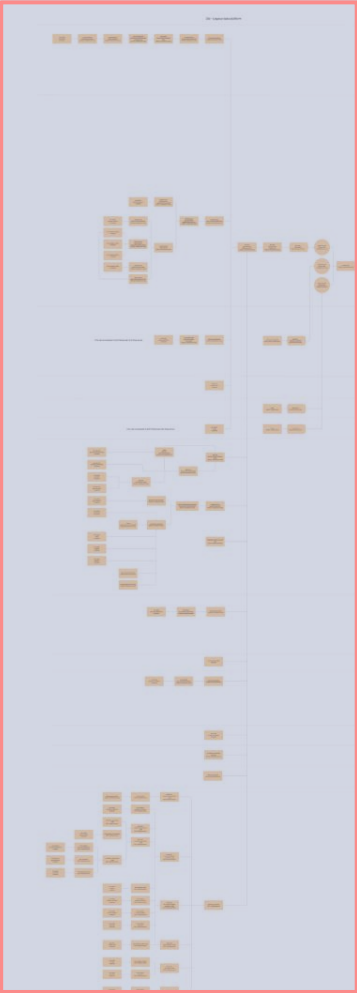
With a twist





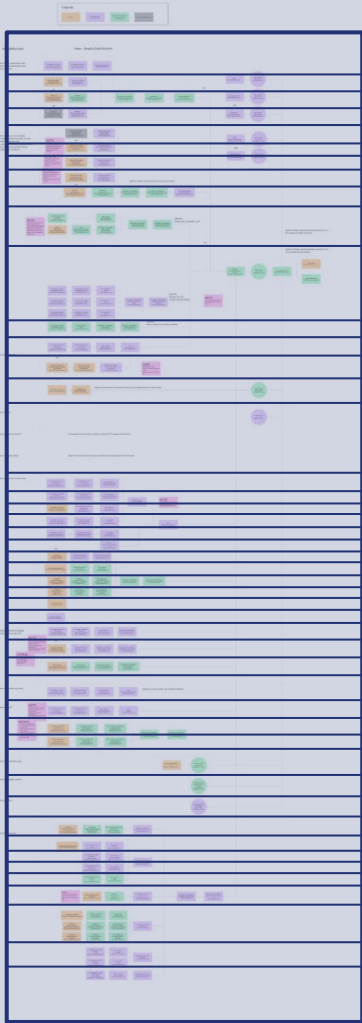
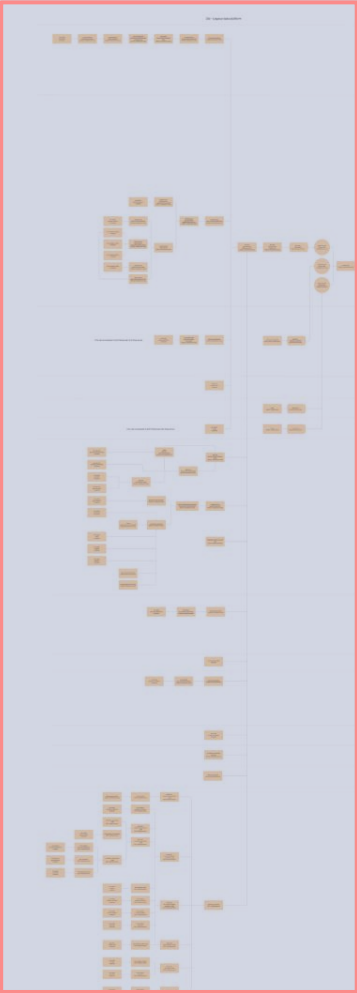
# Architectural Decision Records

With a twist



# Architectural Decision Records

With a twist



# Stakeholder Map

**Data** Migrate legacy pipelines to Shopify Data Platform

**Engineering** Improve observability and lower maintenance overhead

**Product & Biz Ops** No disruptions during Black Friday & Cyber Monday



# Communication Cadence

**Daily**

**Weekly**

**Monthly**

**Start & End**

# Communication Cadence

**Daily**  
**Detailed updates**  
**Blockers**  
**Escalations**

**Weekly**

**Monthly**

**Start & End**

# Communication Cadence

**Daily**

**Detailed updates**

**Blockers**

**Escalations**

**Weekly**

**Traffic light**

**tl;dr**

**High level updates**

**Monthly**

**Start & End**

# Communication Cadence

**Daily**

**Detailed updates**

**Blockers**

**Escalations**

**Weekly**

**Traffic light**

**tl;dr**

**High level updates**

**Monthly**

**Reviews**

**Start & End**

# Communication Cadence

**Daily**

**Detailed updates**

**Blockers**

**Escalations**

**Weekly**

**Traffic light**

**tl;dr**

**High level updates**

**Monthly**

**Reviews**

**Start & End**

**Demos**



## Order #1106

<b>fig</b>	<b>Sunset strategies</b> Replace & rip out or Strangler fig Rumsfeld matrix	\$300.00
<b>fix?</b>	<b>The neighbours</b> To fix or not to fix? Risk storming, design patterns	\$300.00
<b>social</b>	<b>Sociotechnical systems</b> ADR with a twist Stakeholder map, comms cadence	\$300.00
Subtotal		\$900.00
Shipping		Free
Tax		\$0.00
<b>Total</b>		<b>\$900.00</b>



*Bonus*



**Only Just Enough**

\$162.68

*Principle of Least Work*

*Principle of Least Astonishment*

---

*Redeemable any time*

---

**Total**

**\$162.68**



*Bonus*



**Only Just Enough**

\$162.68

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*Principle of Least Astonishment*

---

*Redeemable any time*

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**Total**

**\$162.68**

