How we develop & maintain our ~~12~~ 13 year old DDD monolith

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Johan Doornenbal

Spring I/O 23rd May 2025

Estatio | Assets | Parties | Finance | Leases | Invoices Out | Projects | Service Charges | Invoices In | Payments | Tasks & Docs | Turnovers | Other | Activity | Prototyping | Security | Dan Haywood

AM-B

Calculate | Aggregate Turnovers

General | Application Level | Metadata

General

Reference: AM-B

Name: AM-B

Lease Type: Bail Commercial

Change

External Reference: none

Property: Grand A [AM]

Roles

Landlord: EUROCOMMERCIAL PROPERTIES FRANCE SAS [FR01]

Tenant: S

Tenant Invoice Address: C BEAU

Related

Previous Agreement: none

Next Agreement: none

Change Previous

Dates

Verify | Verify Until

Start Date: Jul 9,

End Date: Jul 8,

Tenancy Start Date: Apr 25, 2012

Tenancy End Date: none

Tenancy Duration:

Change Tenancy Dates With Reason

Lease Evaluation Date: Jul 8, 2024

Financials

Paid By: AM-B

New Mandate | Paid By

Status Info

Status: Active

Terminate | Assign | Suspend All | Renew | Renew Fra

Recent and Future Items | All Items

Recent And Future Items

Change Payment Method For All | New Item

	Type	Status	Charge	Start Date	End Date	Value	Invoiced By	Payment Method
	Rent	Active	L [FR	Jul 9, 2021	none		Landlord	Direct Debit
	Rent Discount	Active	L [FR	Apr 25, 2012	none		Landlord	Direct Debit
		Active	L [FR	Apr 25, 2012	none		Landlord	Direct Debit
		Active	D [FR	Apr 25, 2012	none		Landlord	Direct Debit
		Active	F [FR	Apr 25, 2012	none		Landlord	Direct Debit
		Active	C (40	Jan 1, 2021	none		Landlord	Direct Debit
		Active	E [FR	Jan 1, 2021	none		Landlord	Direct Debit
		Active	H	Jan 1, 2021	none		Landlord	Direct Debit
		Active	H [FR	Jul 9, 2021	none		Landlord	Direct Debit
		Active	C [FR	Jan 1, 2021	none		Landlord	Direct Debit
		Active	T (45	Jan 1, 2020	none		Landlord	Direct Debit

Showing all of 11 ... took 2.24 seconds

Roles

Credits: Eurocommercial Properties 20240512.1604.prod.b7375d1f-v2 | Change theme

The obvious ?

Use event storming

Know your customers

Use a tool chain that
lets you develop rapidly
GIT

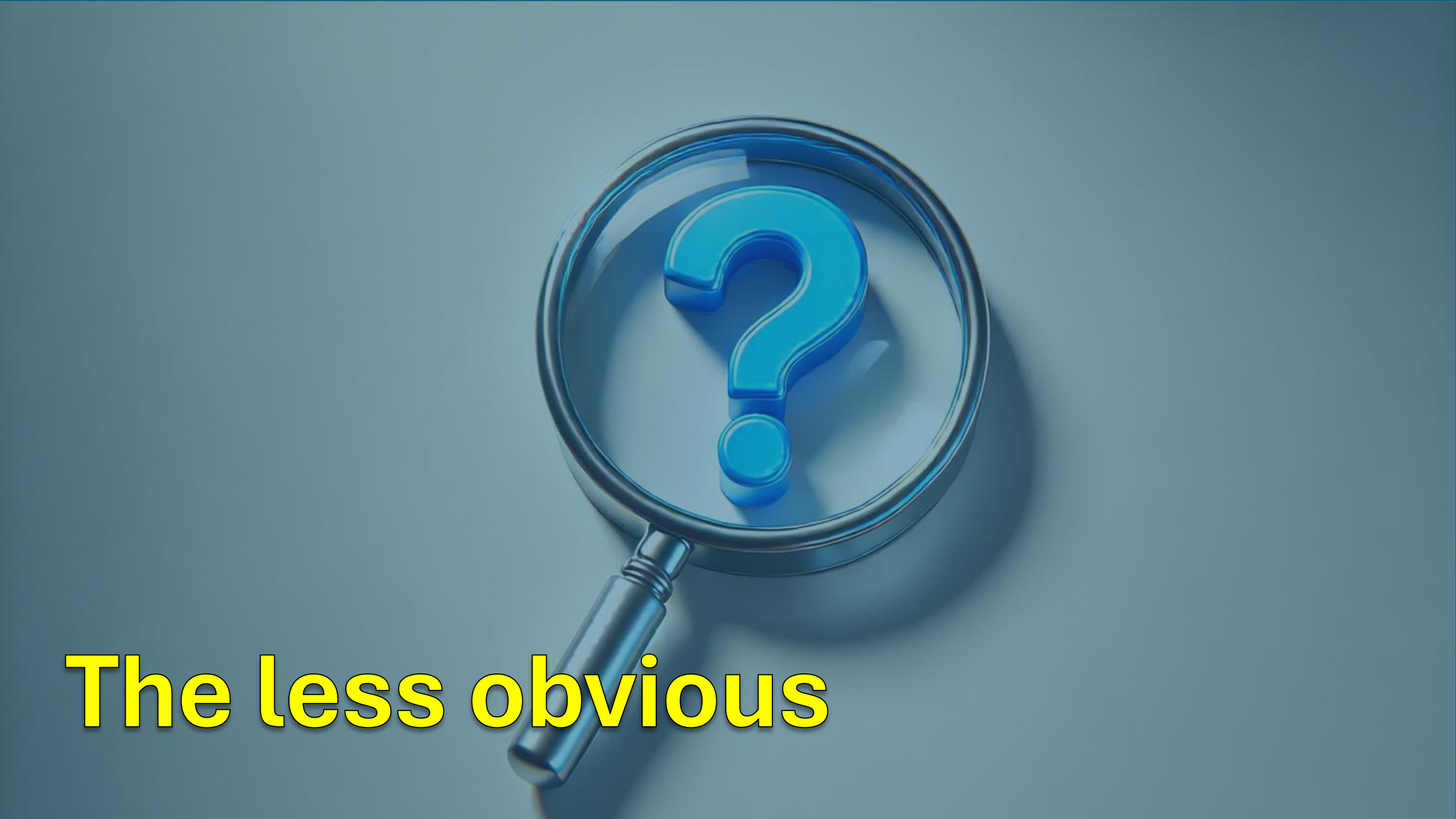
Show your users
something they recognize

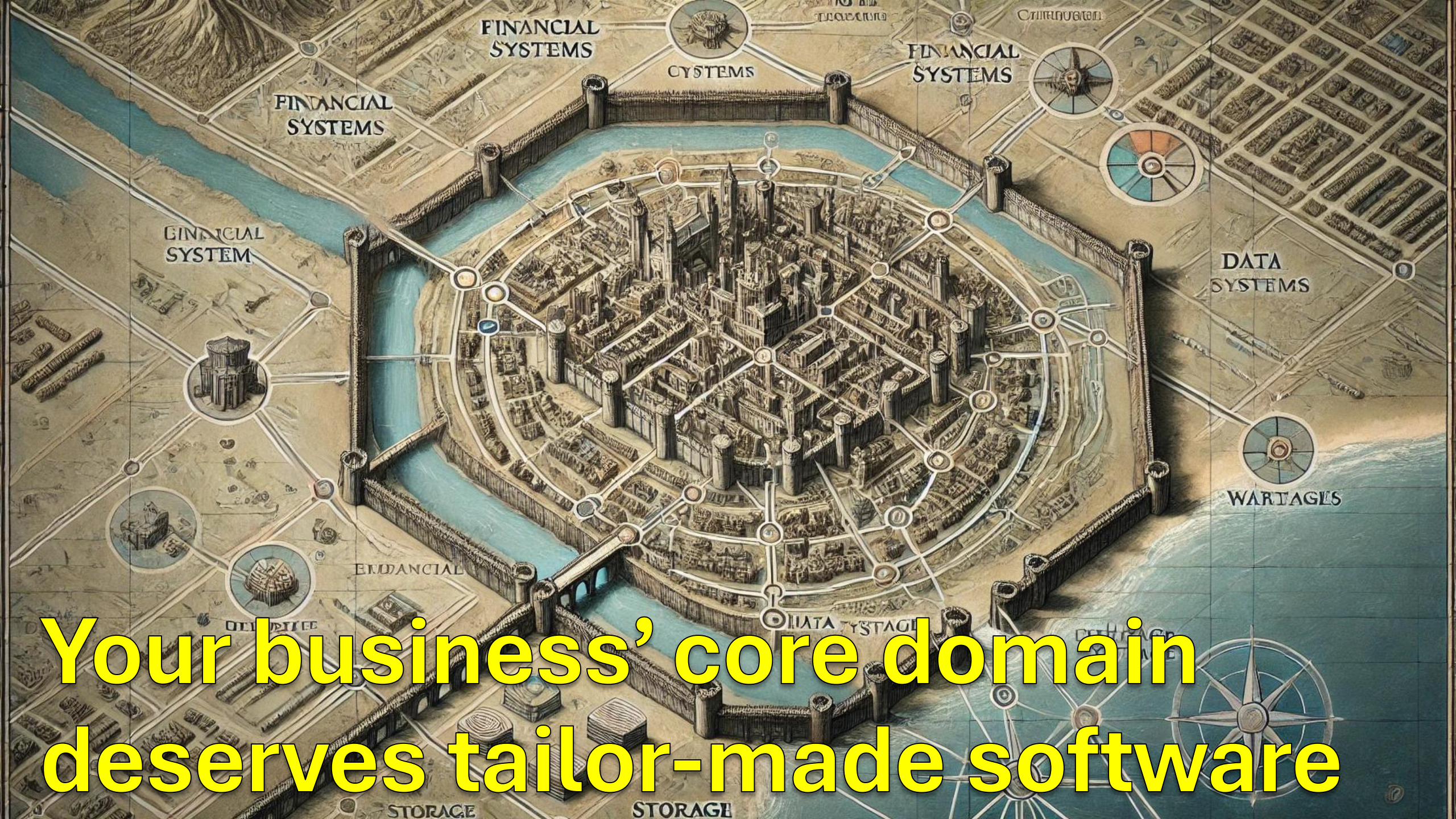
Keep delivering business value

Avoid accidental complexity

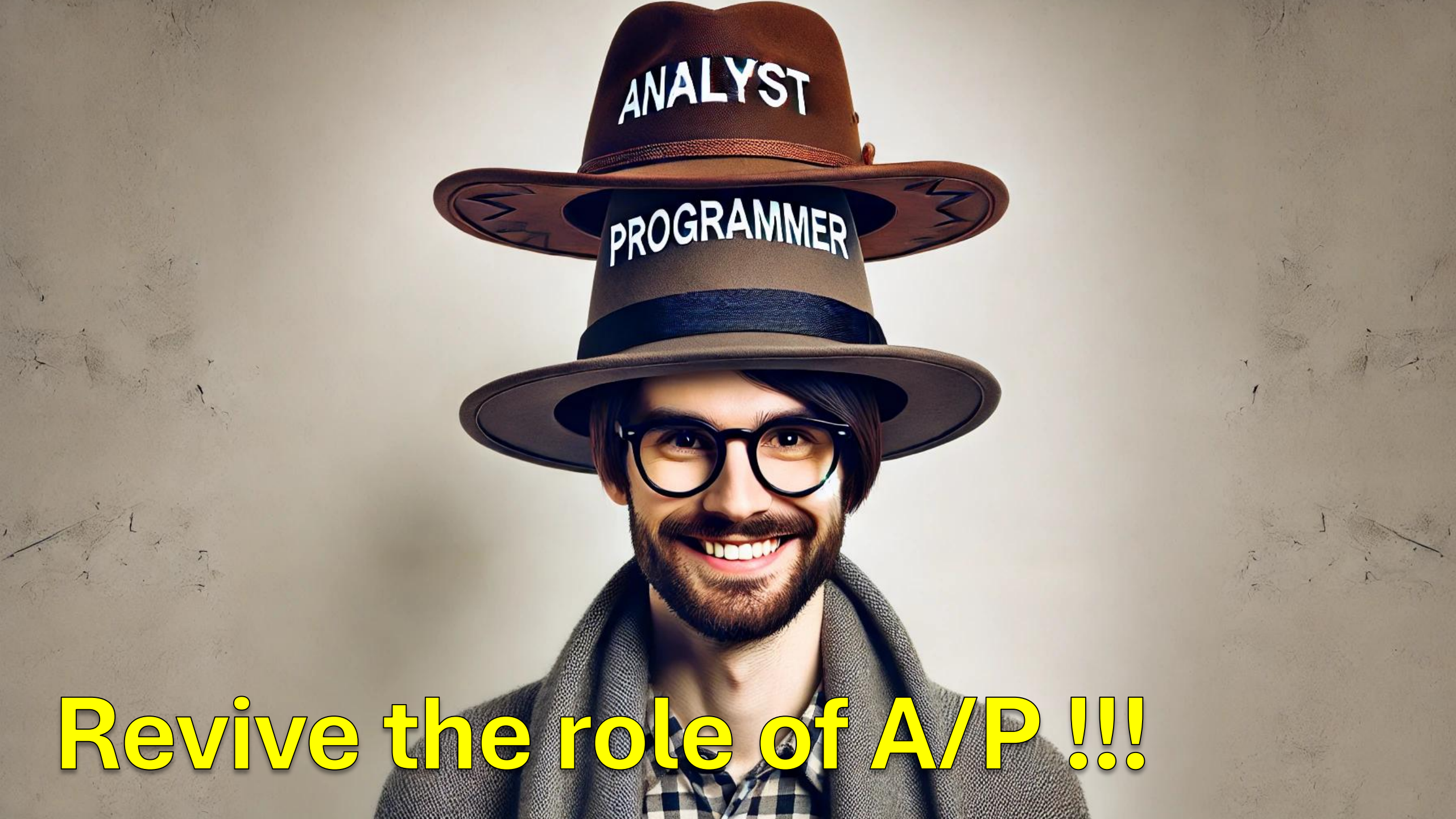
You build it, you run it

Have a good audit system
(and security system)


The less obvious

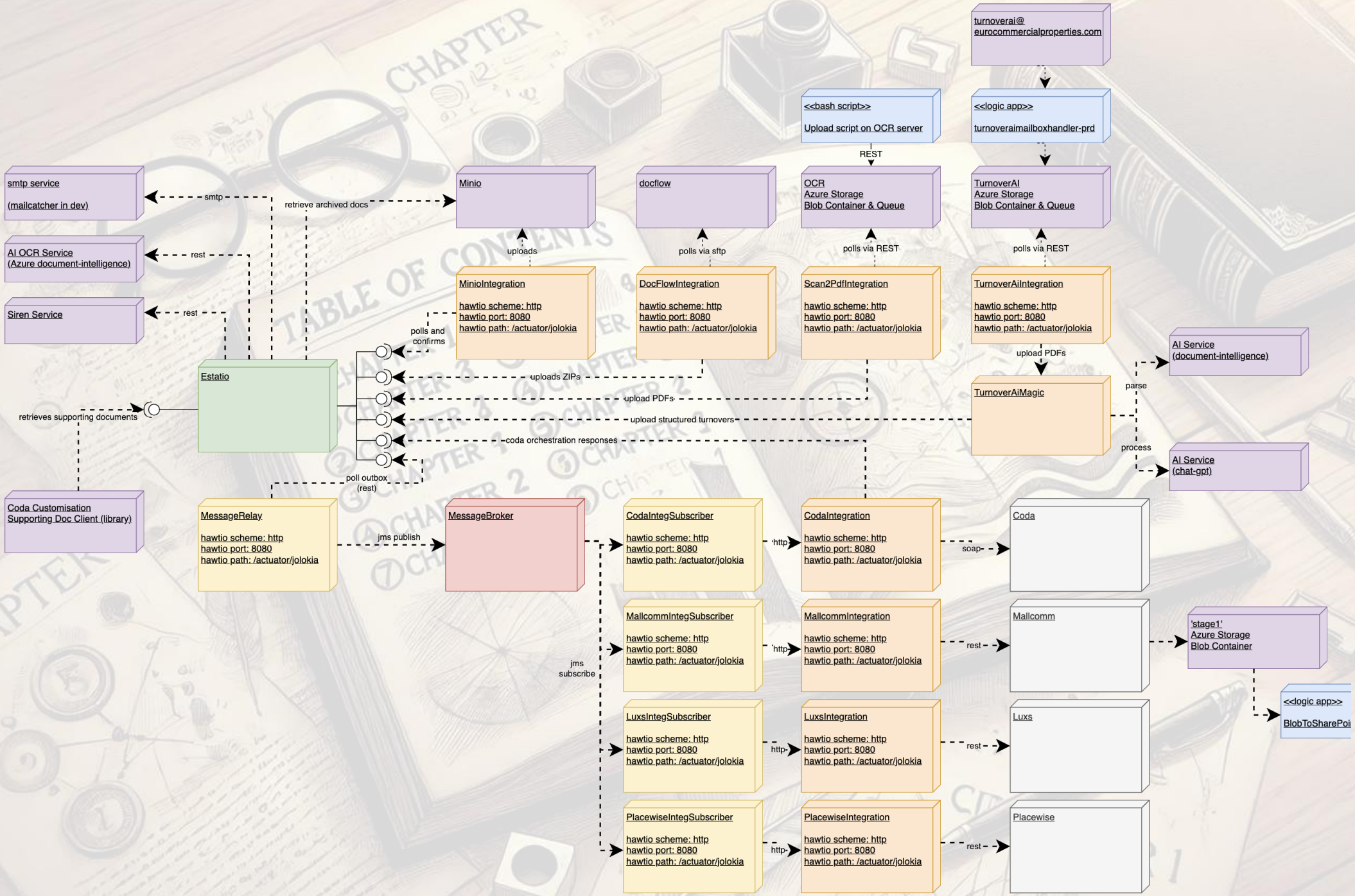


Your business’ core domain deserves tailor-made software


ANALYST
PROGRAMMER
Revive the role of A/P !!!

Use a tool chain that lets you develop rapidly

Use a (modular) monolith


turnoverai@
eurocommercialproperties.com
<<bash script>>
Upload script on OCR server
<<logic app>>
turnoveraimailboxhandler-prd
REST
smtp service
(mailcatcher in dev)
smtp
retrieve archived docs
Minio
docflow
OCR
Azure Storage
Blob Container & Queue
TurnoverAI
Azure Storage
Blob Container & Queue
AI OCR Service
(Azure document-intelligence)
rest
uploads
polls via sftp
polls via REST
polls via REST
Siren Service
rest
MinioIntegration
hawtio scheme: http
hawtio port: 8080
hawtio path: /actuator/jolokia
DocFlowIntegration
hawtio scheme: http
hawtio port: 8080
hawtio path: /actuator/jolokia
Scan2PdfIntegration
hawtio scheme: http
hawtio port: 8080
hawtio path: /actuator/jolokia
TurnoverAiIntegration
hawtio scheme: http
hawtio port: 8080
hawtio path: /actuator/jolokia
polls and
confirms
upload PDFs
AI Service
(document-intelligence)
Estatio
uploads ZIPs
upload PDFs
TurnoverAiMagic
parse
retrieves supporting documents
upload structured turnovers
coda orchestration responses
process
AI Service
(chat-gpt)
poll outbox
(rest)
Coda Customisation
Supporting Doc Client (library)
MessageRelay
hawtio scheme: http
hawtio port: 8080
hawtio path: /actuator/jolokia
jms publish
MessageBroker
CodaIntegSubscriber
hawtio scheme: http
hawtio port: 8080
hawtio path: /actuator/jolokia
http
CodaIntegration
hawtio scheme: http
hawtio port: 8080
hawtio path: /actuator/jolokia
soap
Coda
jms
subscribe
MallcommIntegSubscriber
hawtio scheme: http
hawtio port: 8080
hawtio path: /actuator/jolokia
http
MallcommIntegration
hawtio scheme: http
hawtio port: 8080
hawtio path: /actuator/jolokia
rest
Mallcomm
'stage1'
Azure Storage
Blob Container
LuxsIntegSubscriber
hawtio scheme: http
hawtio port: 8080
hawtio path: /actuator/jolokia
http
LuxsIntegration
hawtio scheme: http
hawtio port: 8080
hawtio path: /actuator/jolokia
rest
Luxs
<<logic app>>
BlobToSharePoi
PlacewiseIntegSubscriber
hawtio scheme: http
hawtio port: 8080
hawtio path: /actuator/jolokia
http
PlacewiseIntegration
hawtio scheme: http
hawtio port: 8080
hawtio path: /actuator/jolokia
rest
Placewise

Don’t let ’em change data

(at least, not at first)

Own the runtime
(or at least be able to influence it)

Know if your users are problem solvers, or process followers?

Use the hexagonal architecture

Taking care of the team

Work closely with ops/infra

Keep the team fresh

Meet up occasionally,
share a beer

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