How we develop our 13 year old monolith

(or DDD for non-believers)

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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

Estatio – dev perspective

Estatio – dev perspective

Developed since 2012

Between 2 & 5 devs
some part-time
some students

241k lines of prod code
116k lines of test code

~2,300 unit tests
~1,400 integ tests

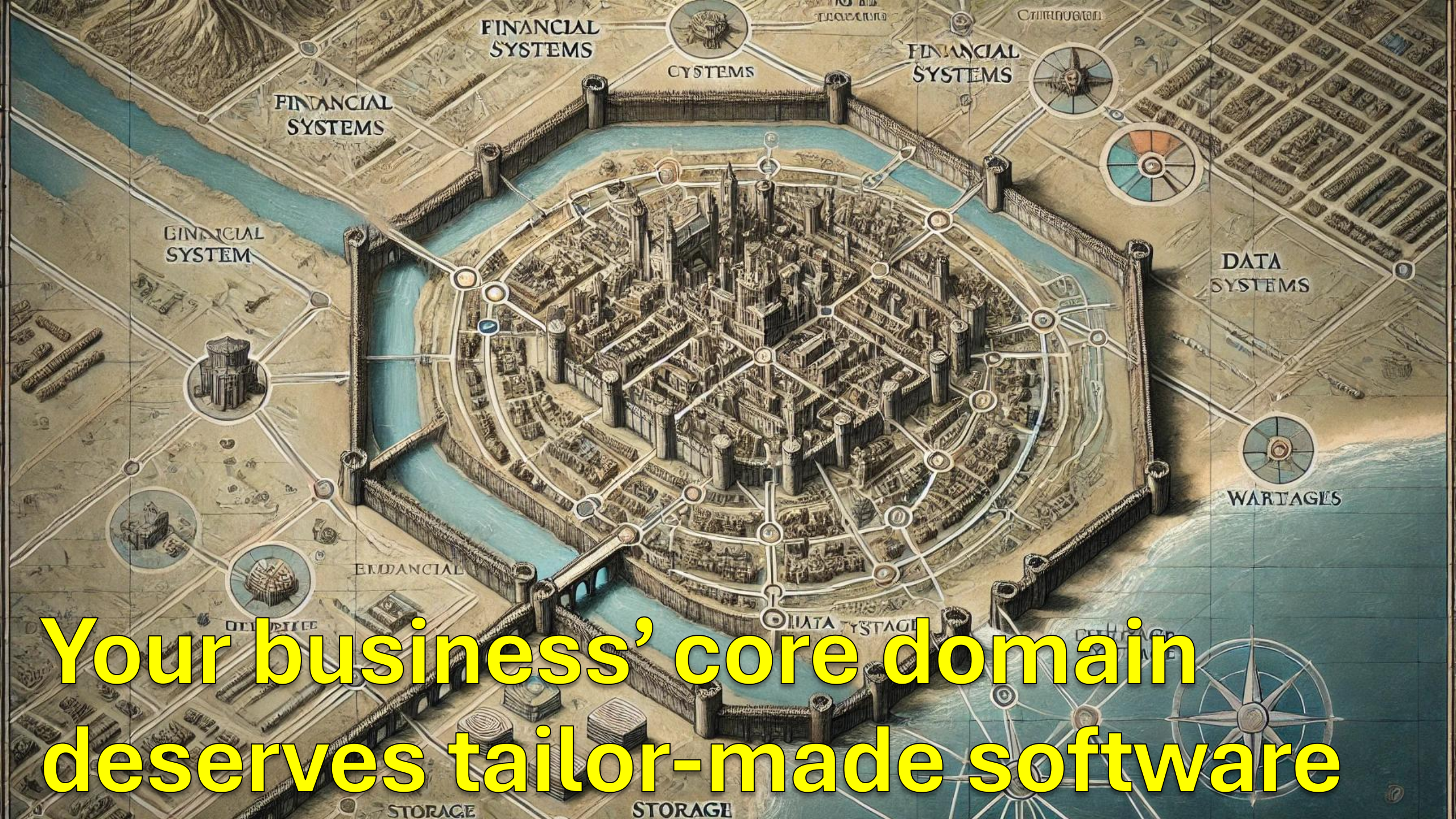
Know your customers

Use a tool chain that
lets you develop rapidly
GIT

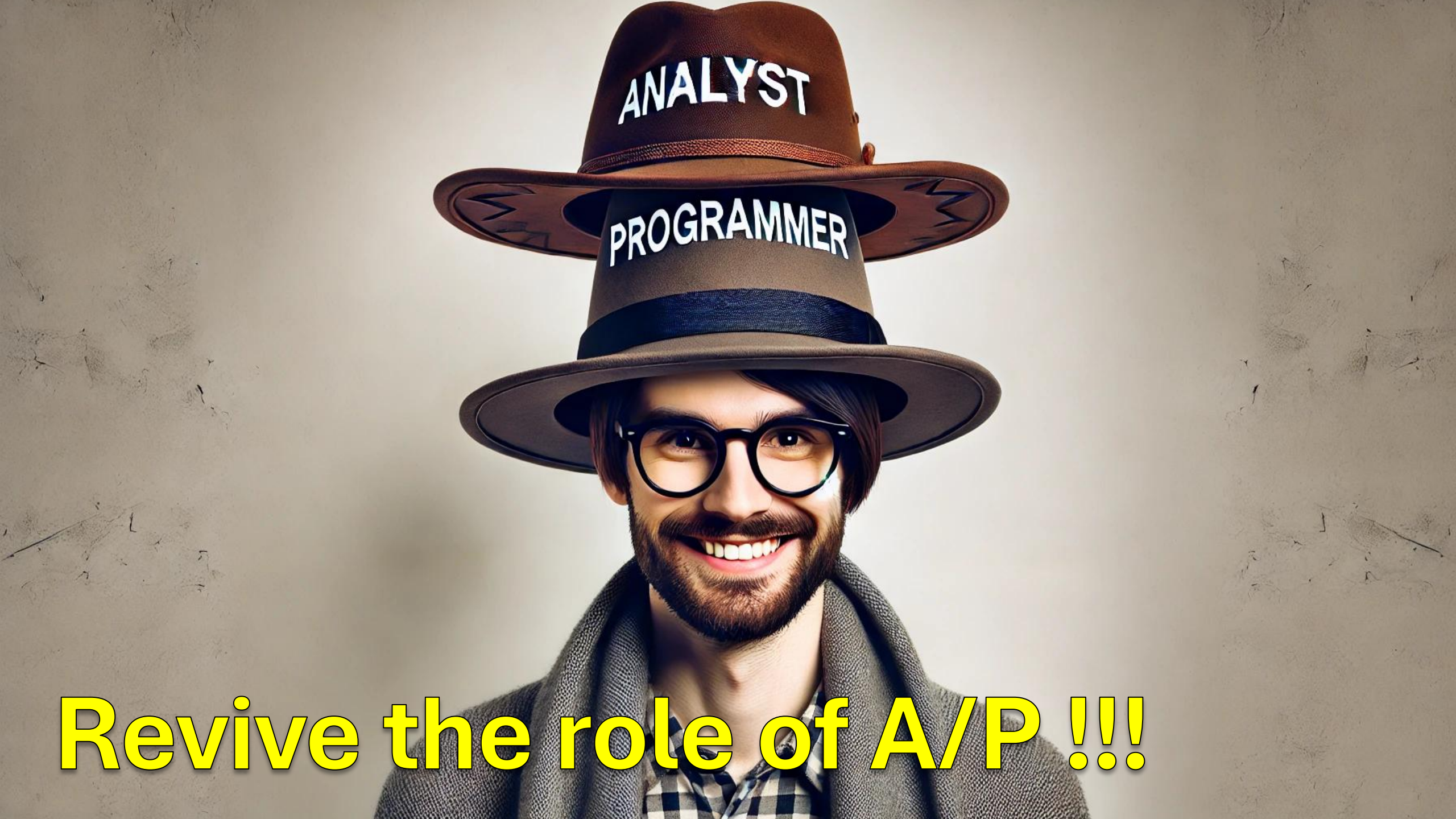
Show your users
something they recognize

Keep delivering business value

Have a good audit system
(and security system)

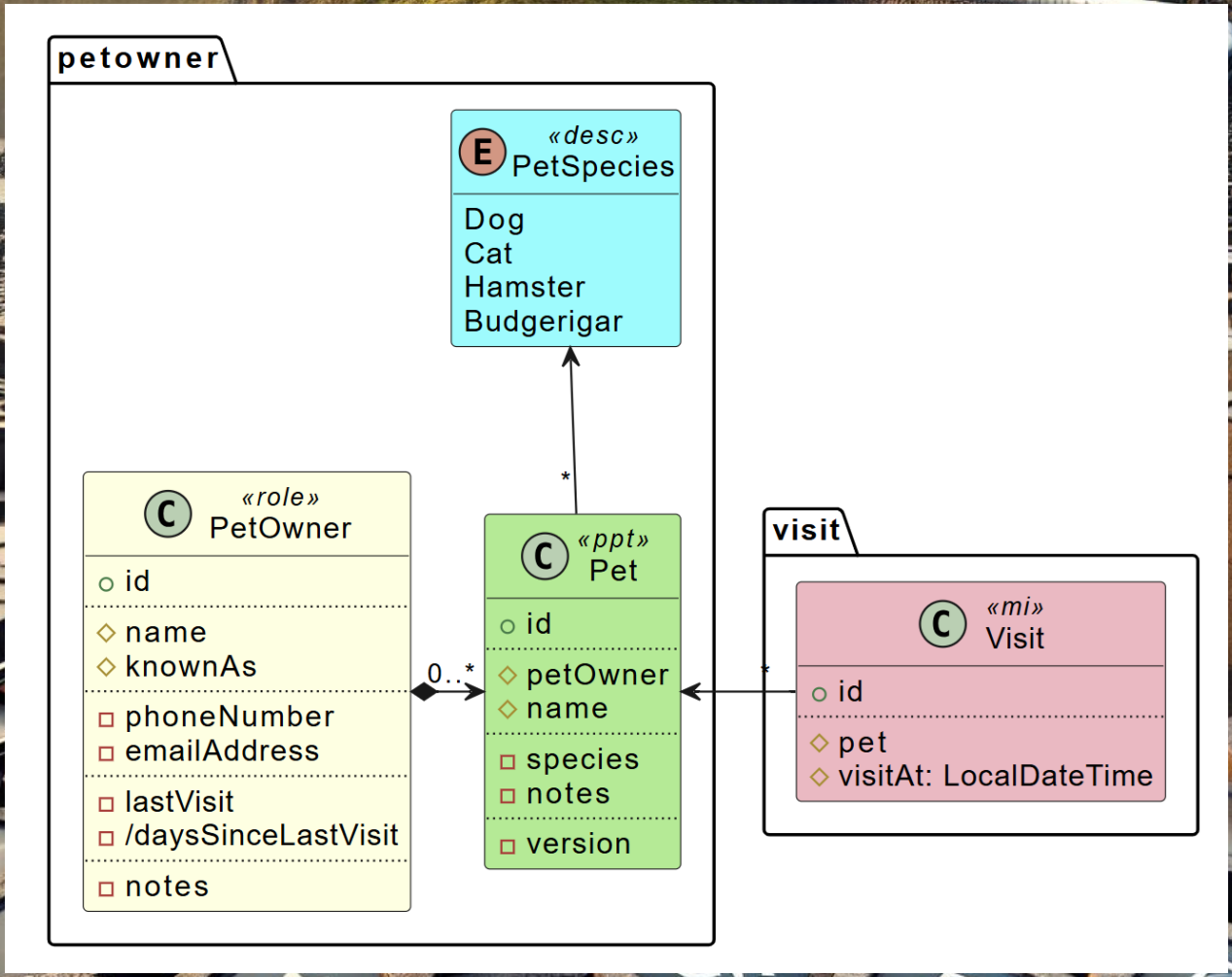


Your business’ core domain deserves tailor-made software

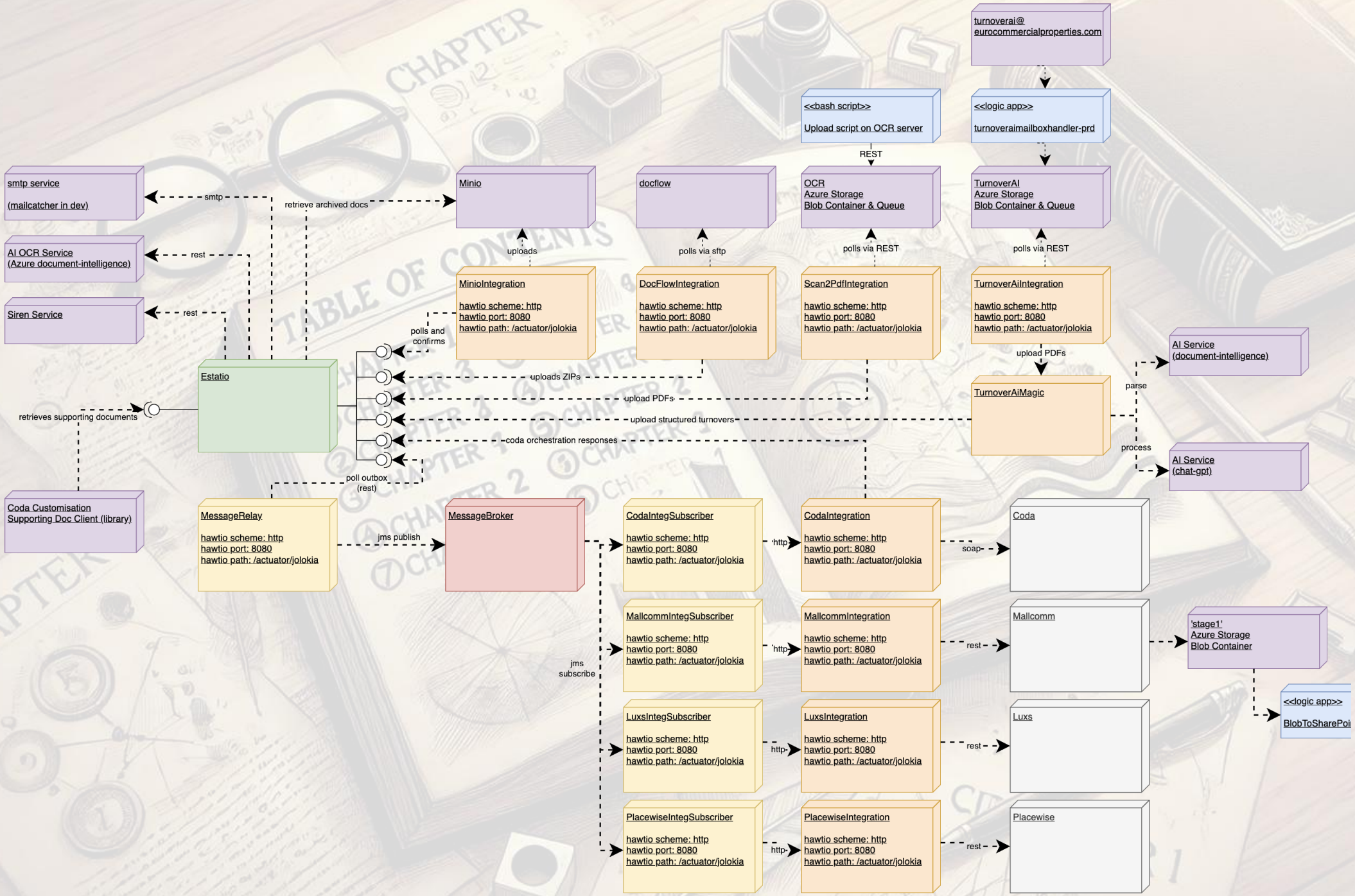

ANALYST
PROGRAMMER
Revive the role of A/P !!!

Use a tool chain that lets you develop rapidly

An example domain...



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)

Taking care of the team

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Download slides

https://causeway.apache.org