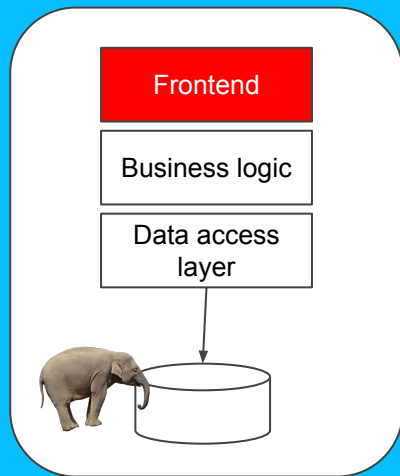




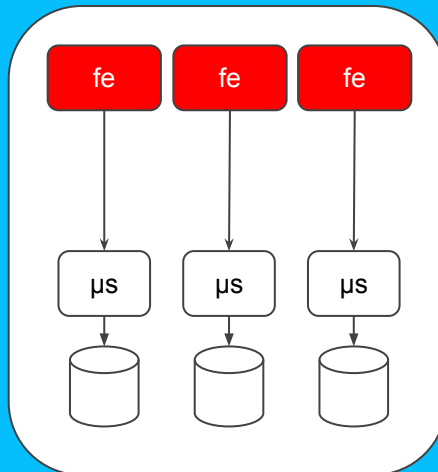
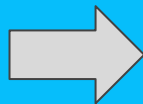
Podium



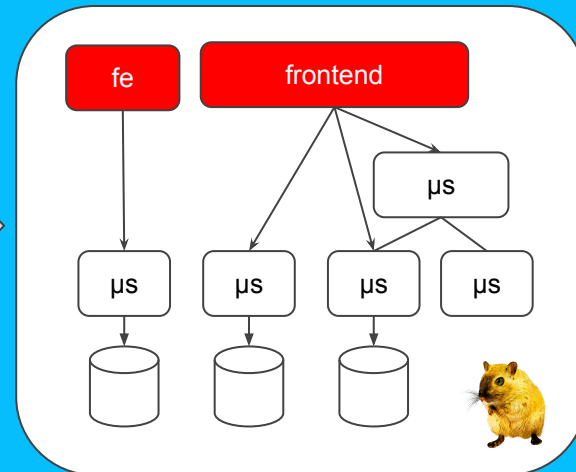
Breaking the monolith with microservices!



Monolith architecture



Microservice "ideal world"?



Microservice "real world"?

Why microservices?

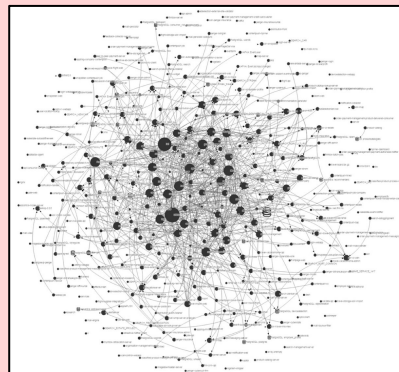


Advantages

- Isolation
- Independent
- Autonomous
- Evolutionary
- Standard driven

Drawbacks

- Complexity
- Overhead
- “The death star”





«frontend»

What is a «component»?

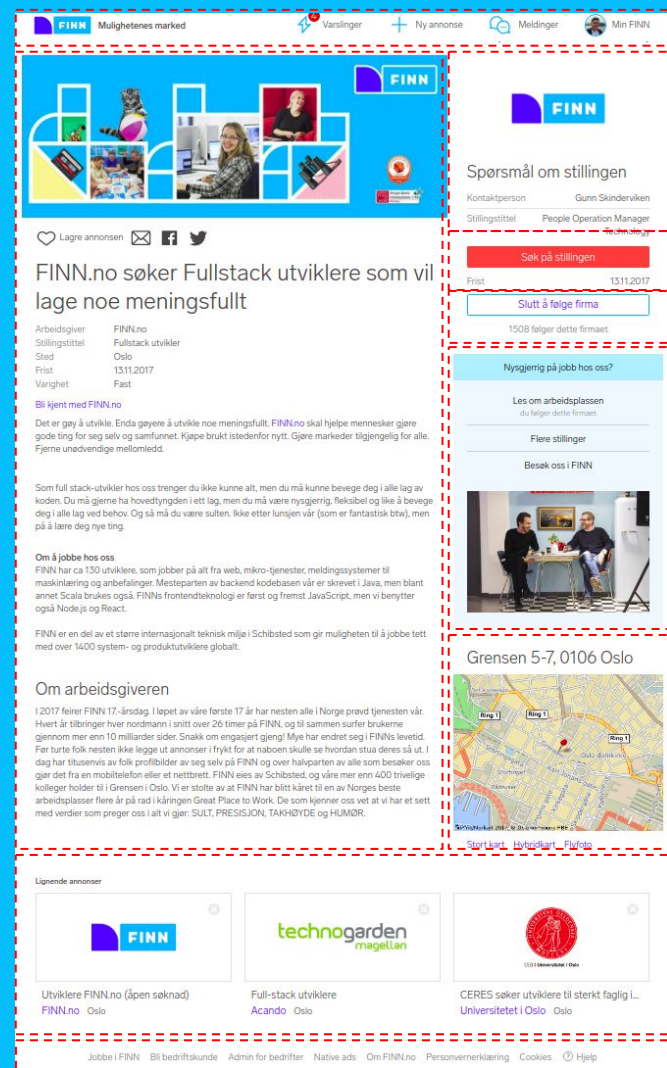
Owned by a single team

A fragment of a page



Business component

- Data requirements
- (not a generic UI widget)



Re-composable and it just works!



 **FINN** Mulighetenes marked

 Varslinger







 Ny annonse

 Meldinger

 Min FINN



Anbefalinger

 839 000,- Fiskebøl	 799 064,- Høyneberg	 100 000,- Fossum
 90 000,- Borgenhaugen	 10 000,- Vedreøy	 435 000,- Bergen

 Rask og enkel levering med FINN småjobber

Nysgjerrig på jobb hos oss?

Les om arbeidsplassen
du følger dette firmaet

Flere stillinger

Besøk oss i FINN





Søk på stillingen

Frist 13.11.2017

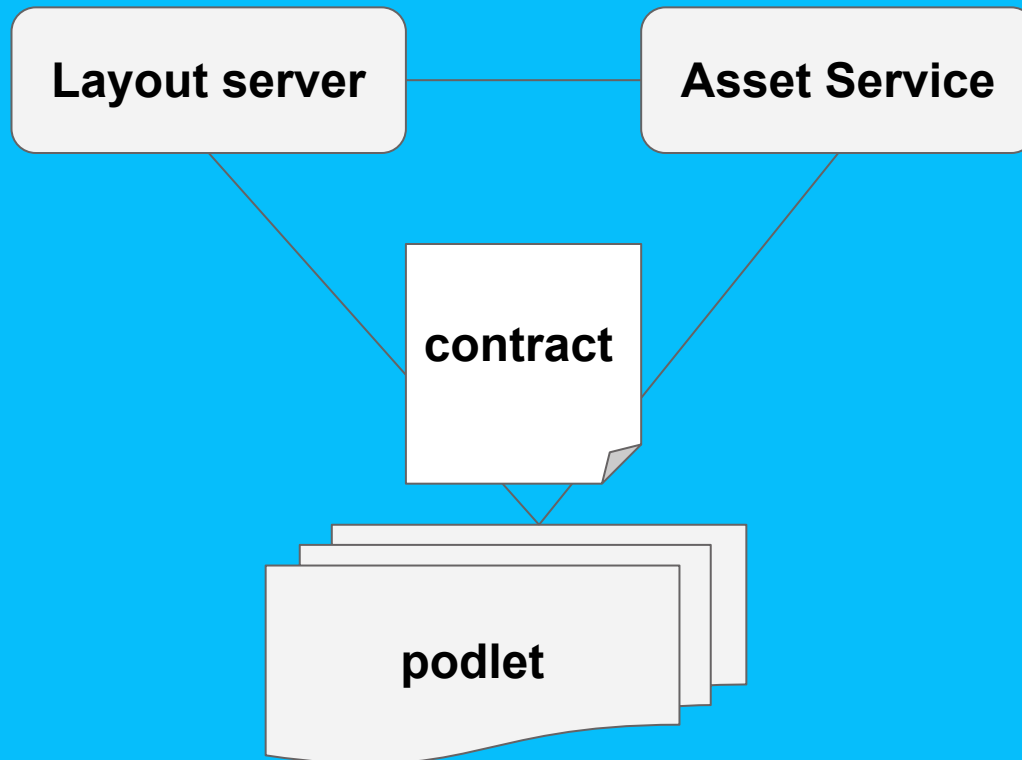
Slutt å følge firma

1508 følger dette firmaet

Lignende annonser

 Logistikk- og kontormedarbeider til sel... Friganor Oslo	 Vil du treffe kunder innen økonomi, inn... Uniflex Norge AS Oslo	 Ser du etter en administrativ deltidsstill... Adecco Oslo
--	--	---

Podium parts



Podlet



“A business feature”

A fragment of a page

Enables full-stack ownership of features



Layout Server



The user-facing webapp

Responsibilities:

- Fetch content from podlets
- Error-handling
- Rendering a page
- Proxy for podlets

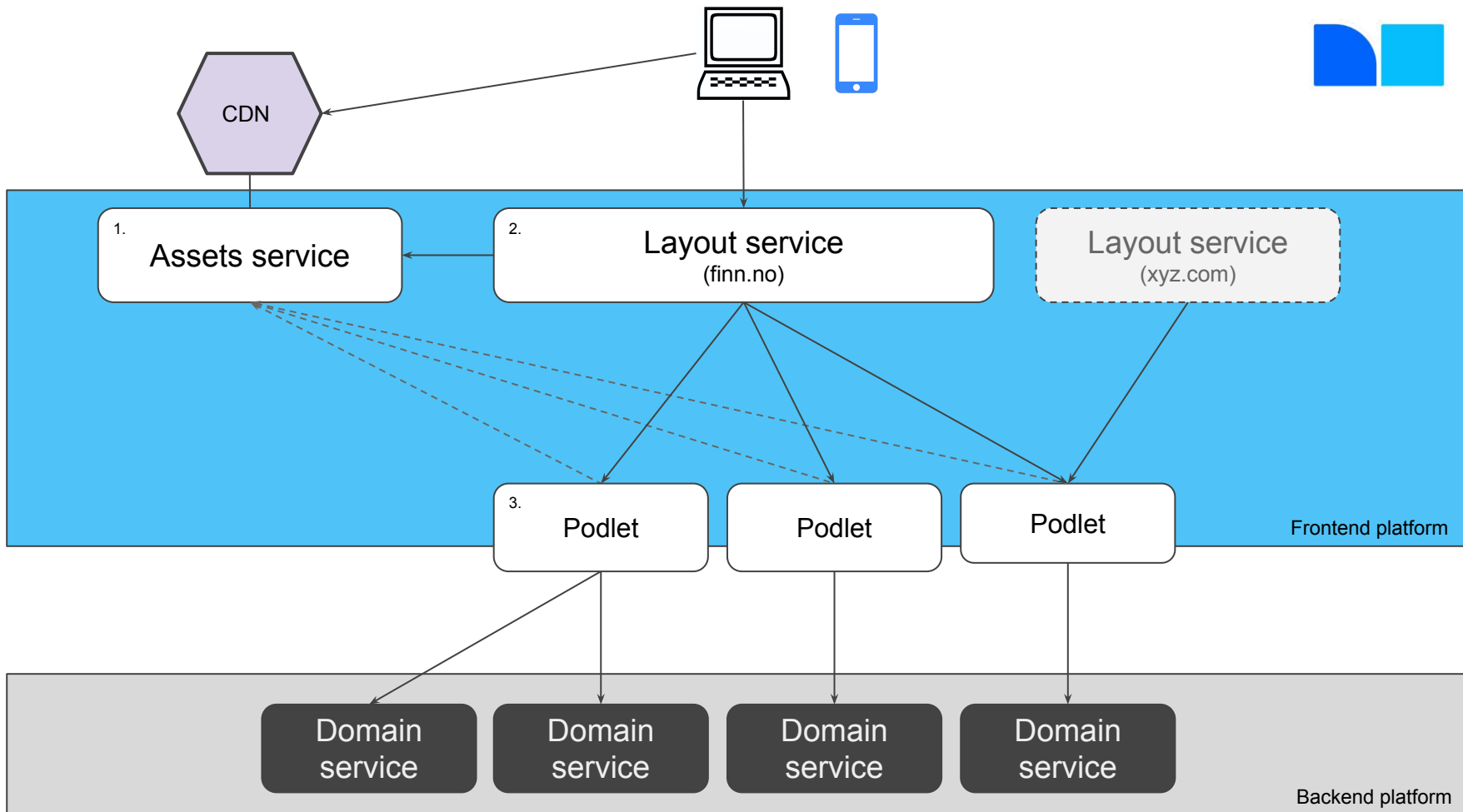
Asset service



Responsibilities:

- Build frontend dependencies
- Monitor dependency usage





Contract based



```
{  
  name: "my-podlet",  
  version: "1.0.0",  
  content: "/content",  
  fallback: "/fallback",  
  assets: {  
    js: "def53.json",  
    css: "ee212.json"  
  }  
}
```

manifest.json

JSON Web Token
Locale
Device Type
Resource Mount Point

Podlet options
- Static
- Runtime (adId)

Context

?

Browser API

Why?



More efficient development

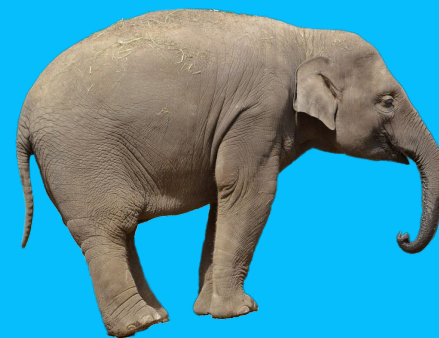
- Standardize common challenges
- Team should focus on delivering *awesome* business features

Isolation

- Clear boundaries; Autonomous
- Easier to work on concrete features
- More robust

No “*off the shelf*” solutions

- Secret sauce of larger sites
- Evolutionary



Front-End technologies changes over time



prototype.js

Angular.js

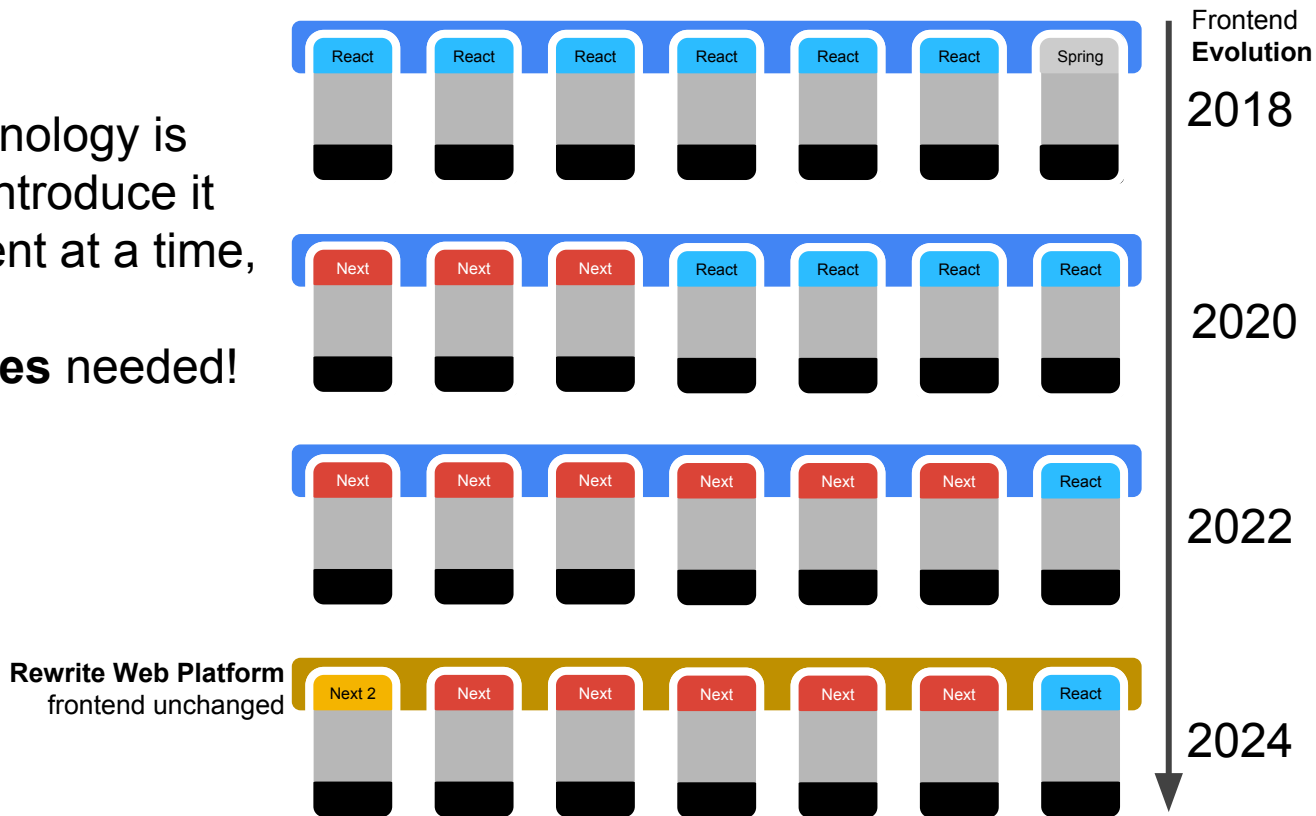
Vue.js

React.js

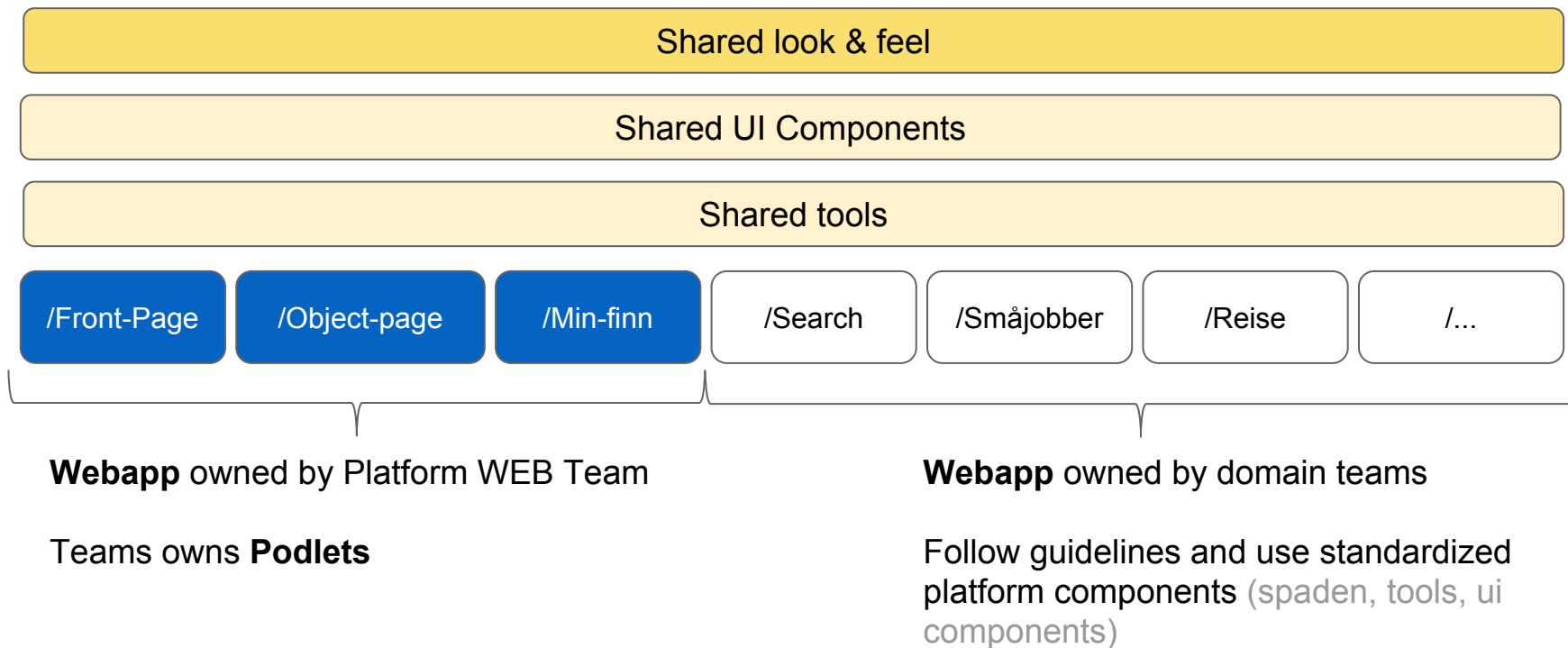
Evolutionary Frontend Tech Strategy



When new frontend technology is needed, we are able to introduce it gradually - one component at a time, with no **complete rewrites** needed!



Architecture direction





Words words words.

Show me the **real** deal!

Demo Time!