

Agenda



- A Bit About Me & The Aspen Group (TAG)
- The Superpowers
- The Kryptonite
- Key Takeaways

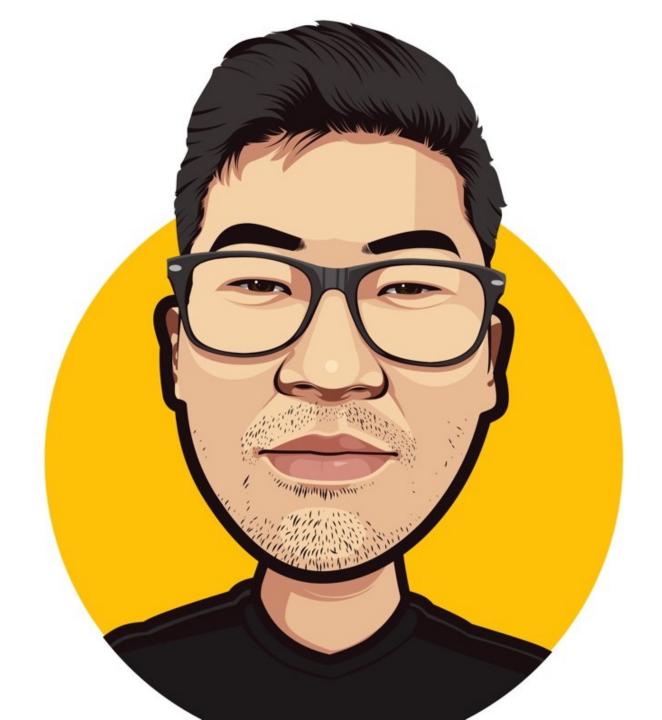


Survey: Next.JS

A Bit About Me

- Software Engineer in Athletic Development, Grocery Industry and Healthcare in last 14 years
- GitHub: https://github.com/soleo
- LinkedIn:

https://www.linkedin.com/in/xinjiangshao/



The Aspen Group

















AESTHETIC STUDIO



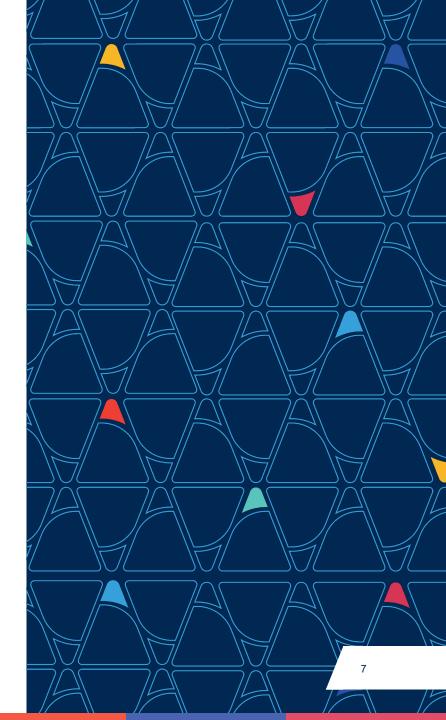
Common Needs



- Content Management (CMS)
- Book Appointment
- Brick and Mortar Offices

They are also very different

- Customers
- Regulations
- Technology



The Superpowers Brought By Next.JS





Digital Commerce Platform

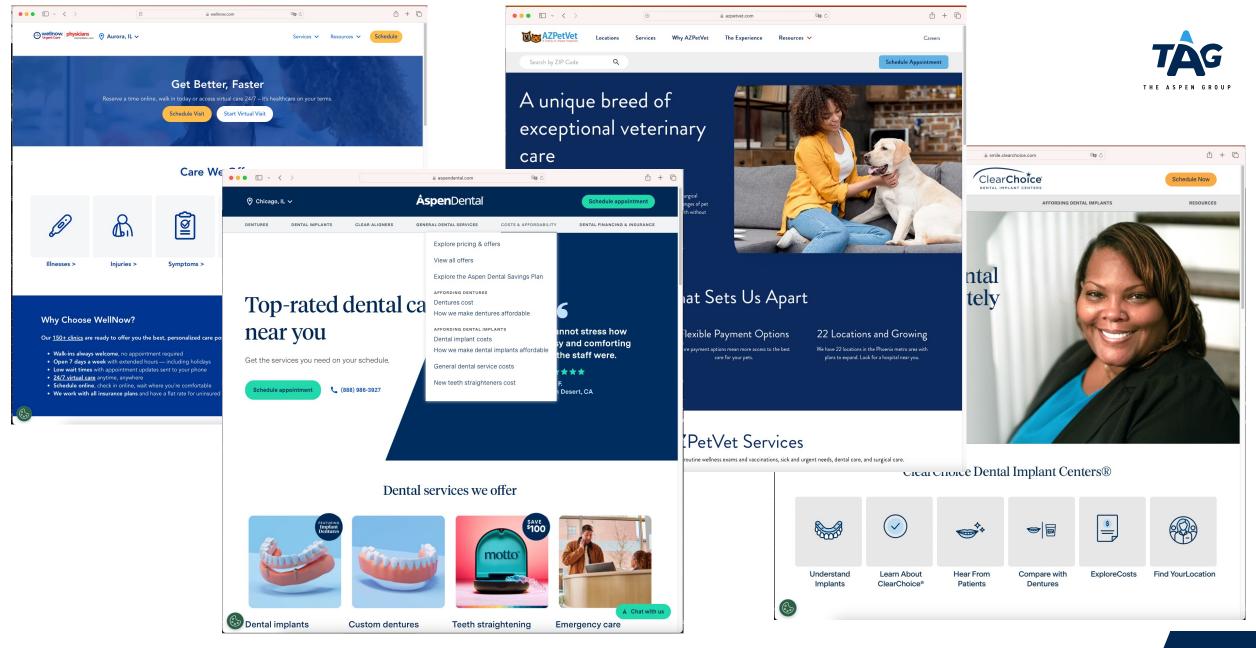


Digital Marketing App	Office Directo	ory App So	cheduling App	Patient Portal App
Backend for front-end (GraphQL) ReST APIs				
Aspen Dental Backend Services	WellNow Urgent Care Backend Services	AZPetVet / Lovet Backend Services	ClearChoice Backen Services	



Digital Marketing / Office Directory

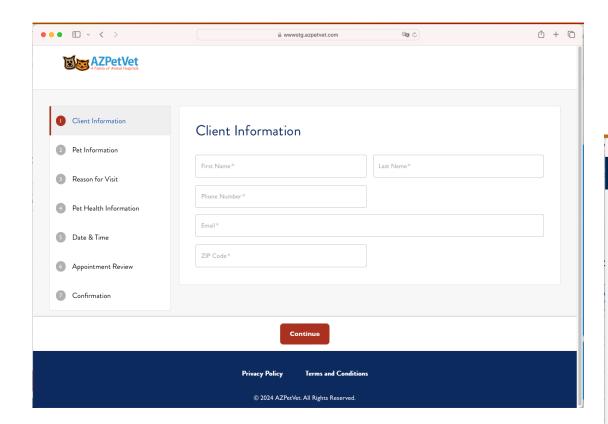
MULTI-TENANT



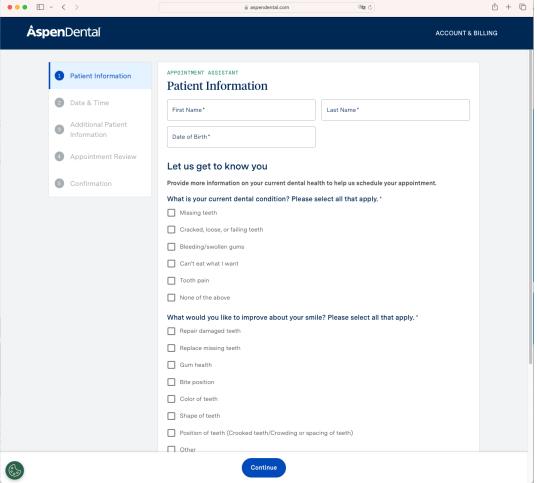


Booking Appointment

SINGLE-TENANT









SUPERPOWER I

Server-Side Rendering (SSR) is Very Powerful



SUPERPOWER II

Feature Toggle is Your Friend



SUPERPOWER III

Lots of GraphQL, Sprinkled with ReST API

The Kryptonite Brought By Next.JS

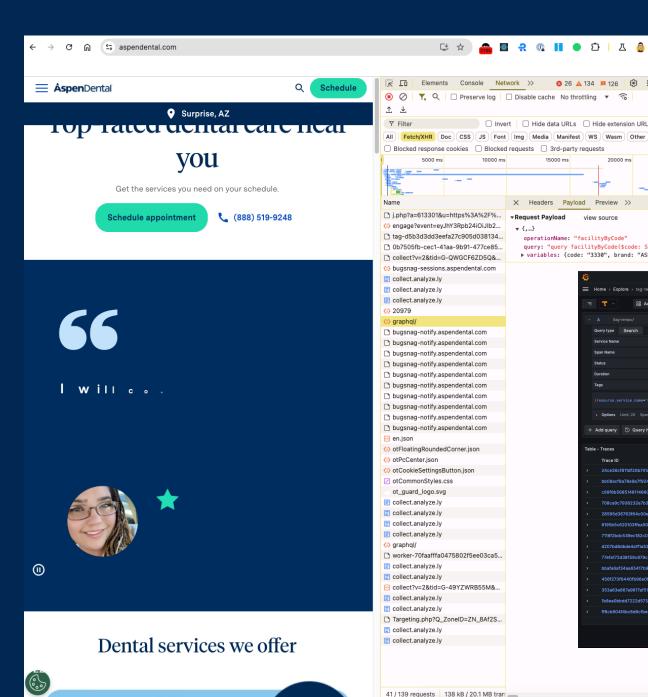






CHALLENGE I

It's not that easy to observe your requests when you cannot see them in Browsers



☐ Invert ☐ Hide data URLs ☐ Hide extension URLs

15000 ms

▼Request Payload

X Headers Payload Preview >>

operationName: "facilityByCode"

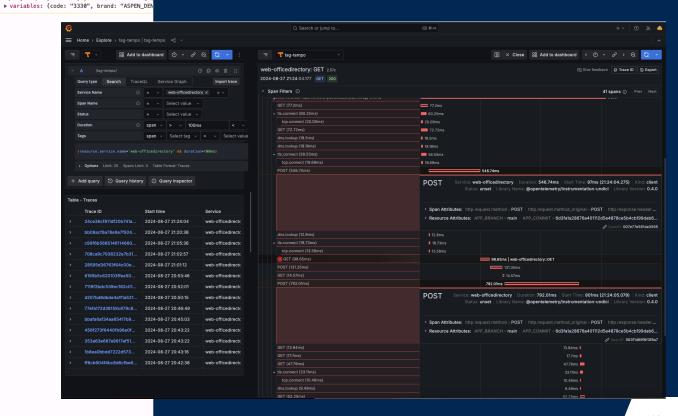
view source

query: "query facilityByCode(\$code: String!,

Elements Console Network >>

5000 ms







CHALLENGE II

You need to turn on some experimental features after all



```
module.exports = {
   experimental: {
    instrumentationHook: true,
   },
}
```



CHALLENGE III

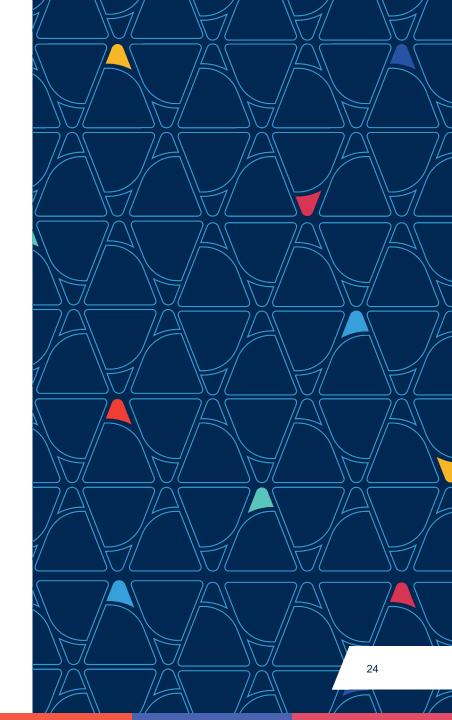
Server-side Memory Leak is No Joke





Key Takeaways

- Treat your application as a full stack app if opt-in SSR
- OpenTelemetry is a must-have
- Use feature toggle & GraphQL often



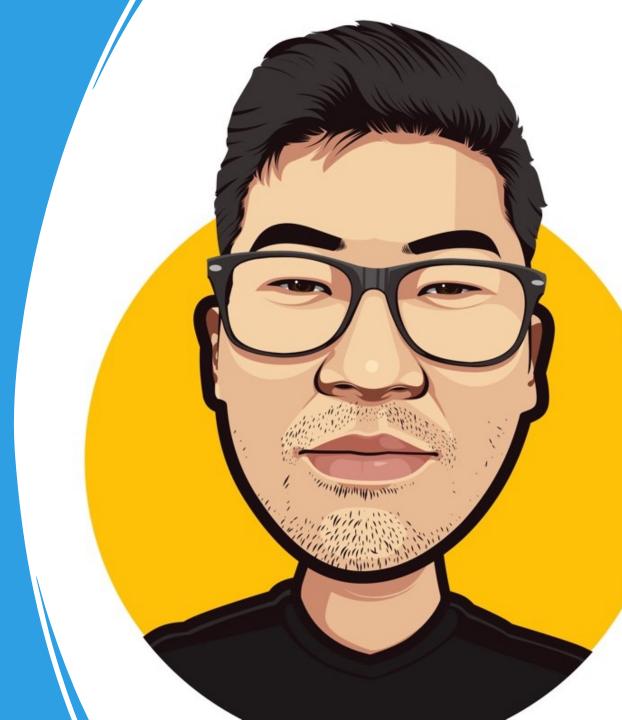
We're hiring as well







Questions?



About Me

 Software engineer by day, aspiring chef by night. Fueled by a passion for design and cooking, Xinjiang Shao creates and designs both code and cuisine.

• GitHub: https://github.com/soleo

• LinkedIn:

https://www.linkedin.com/in/xinjiangshao/

