



# PartnerFinder

(for climbers)

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# Who is Alex Marine?

Climber!

Mid-career  
changes

From  
Congress to  
computer  
programming

Problem  
solver

Creator

PartnerFinder





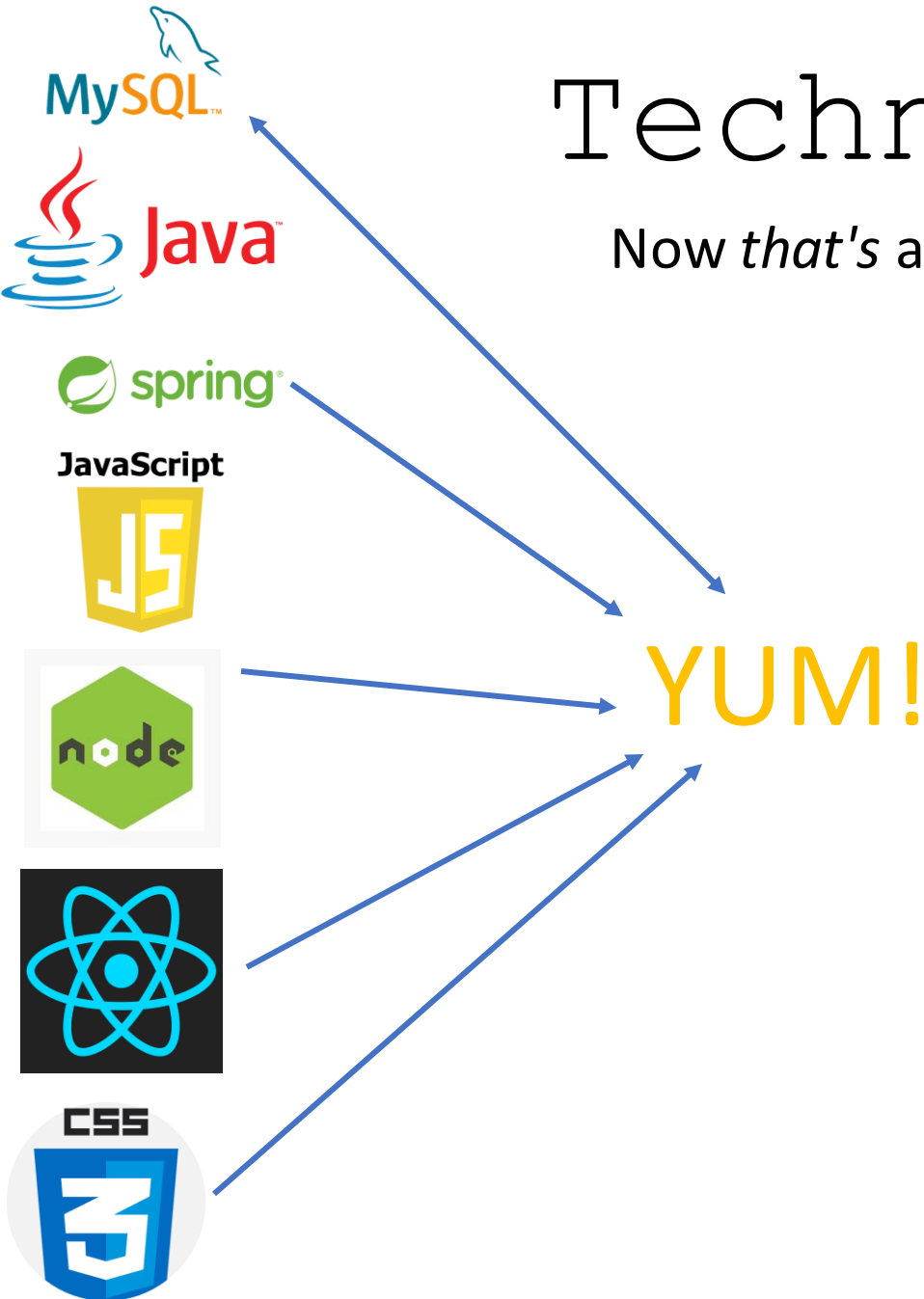


# Why PartnerFinder?

- Do you want to climb like Alex Honnold?
- Climbing's huge growth in popularity
- Climbing can be dangerous – you need to trust your partners
- Differences in goals, styles, and locations
- PartnerFinder solves these problems with good tech

# Technology Stack

Now *that's* a healthy sandwich!



- Built on MySQL, Java, Spring Framework, JavaScript, Node.js, React, HTML, CSS
- Secure backend, protected front-end
- Robust and responsive API
- Styled using React Bootstrap
- Learning goals:
  - JPA
  - MapBox



# Achievements



Language	Files	Code	Comment	Blank	Total
JSON	5	18,689	0	6	18,695
Java	153	6,844	250	1,330	8,424
JavaScript	38	3,010	35	234	3,279
SQL	3	705	0	85	790
Markdown	4	687	0	234	921
HTML	1	40	23	4	67
CSS	1	55	0	10	65

Built by  
Hand

Responsive  
UI

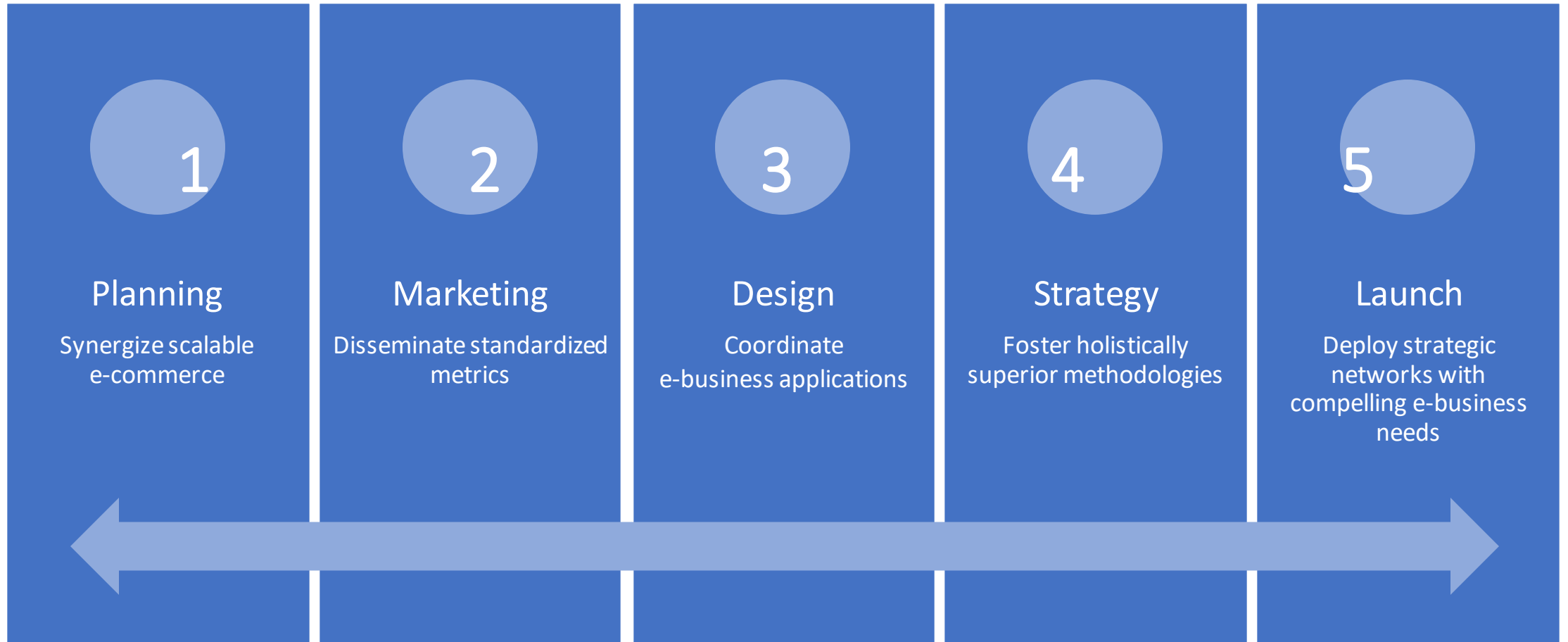
Robust  
API

Interactive  
Map

Secure  
Backend

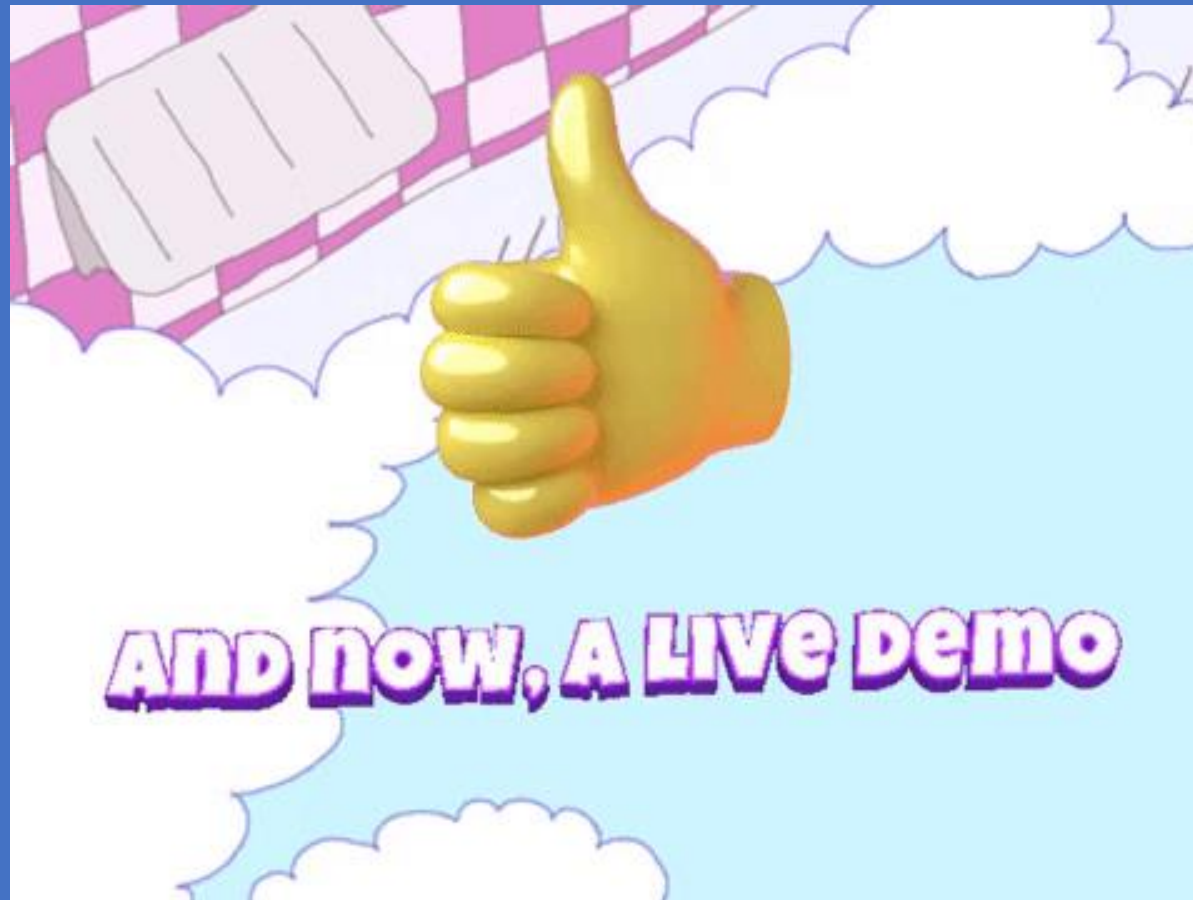
ORM  
Mapping

# Plan for product launch





# Stop! Demo Time



# Biggest Challenges

## JPA

- Much larger and beastlier than I thought
- Ended up taking a hybrid approach
- In the end, simple models worked well but I wrote my own SQL queries and mappers for more complex models



## Why won't you REACT?!

- Had a tough time getting React to react
- Re-wrote components using every trick in the book until something worked
- Used that idiom for every other functional component that relied on state/data
- FINALLY, my front-end was reactive!





# Q & A

“

An expert knows all the right answers – if you ask the right questions.

”

*Levi Strauss*