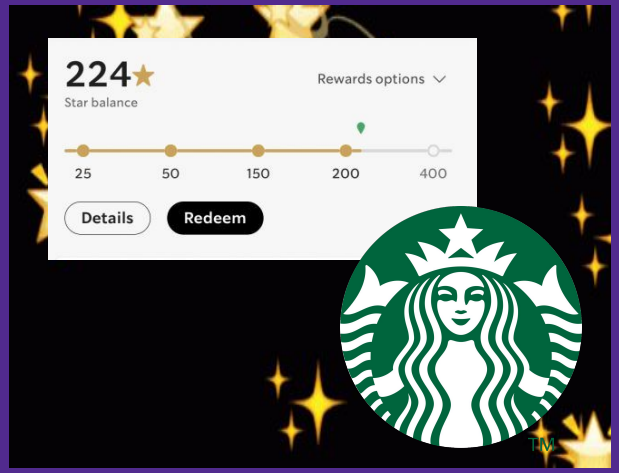
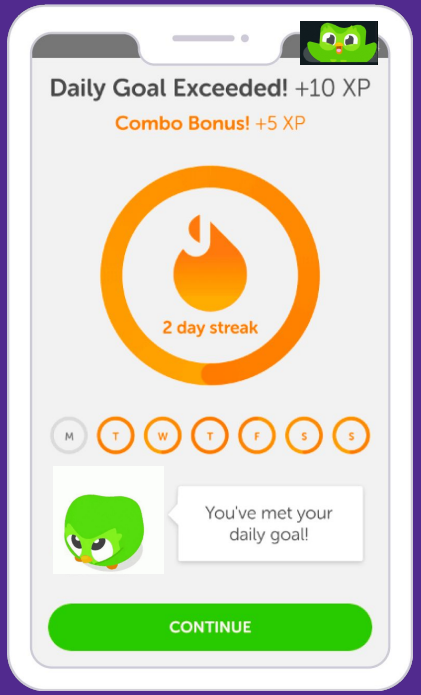
React

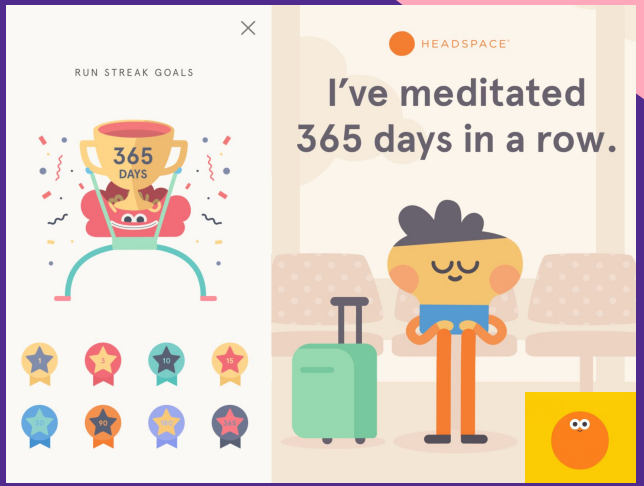
and the Art of Gamification

Courtney Yatteau

Why Gamification?

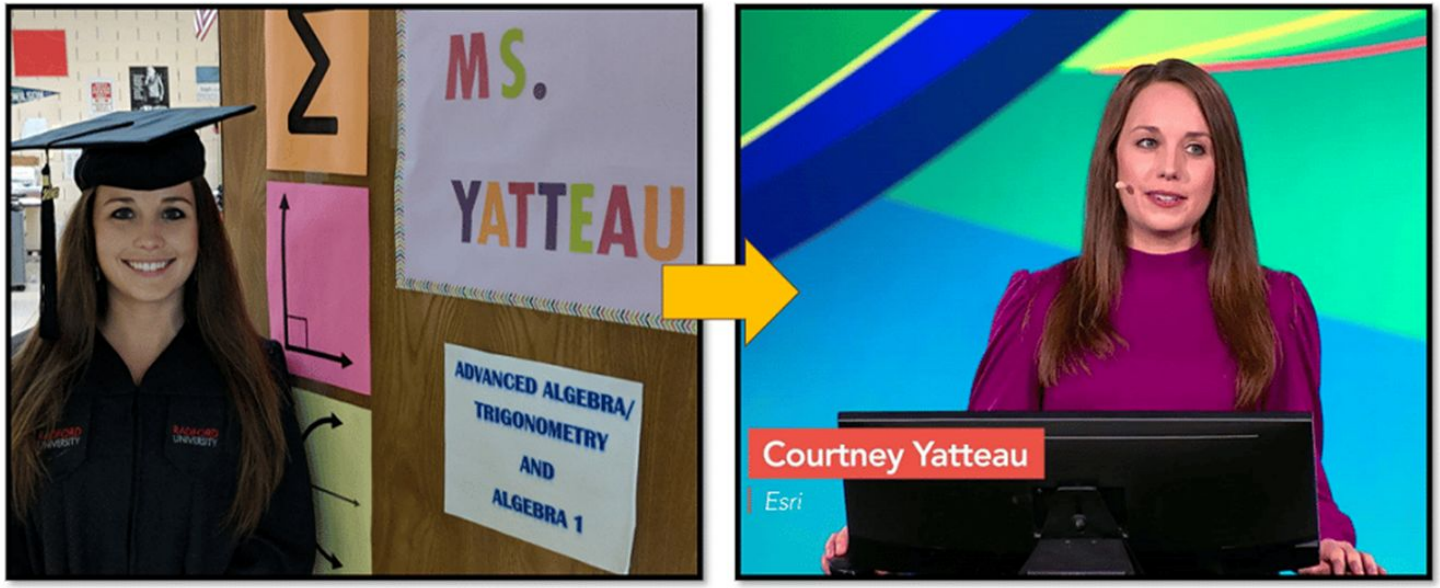






React JS

Courtney Yatteau
Developer Advocate, Esri



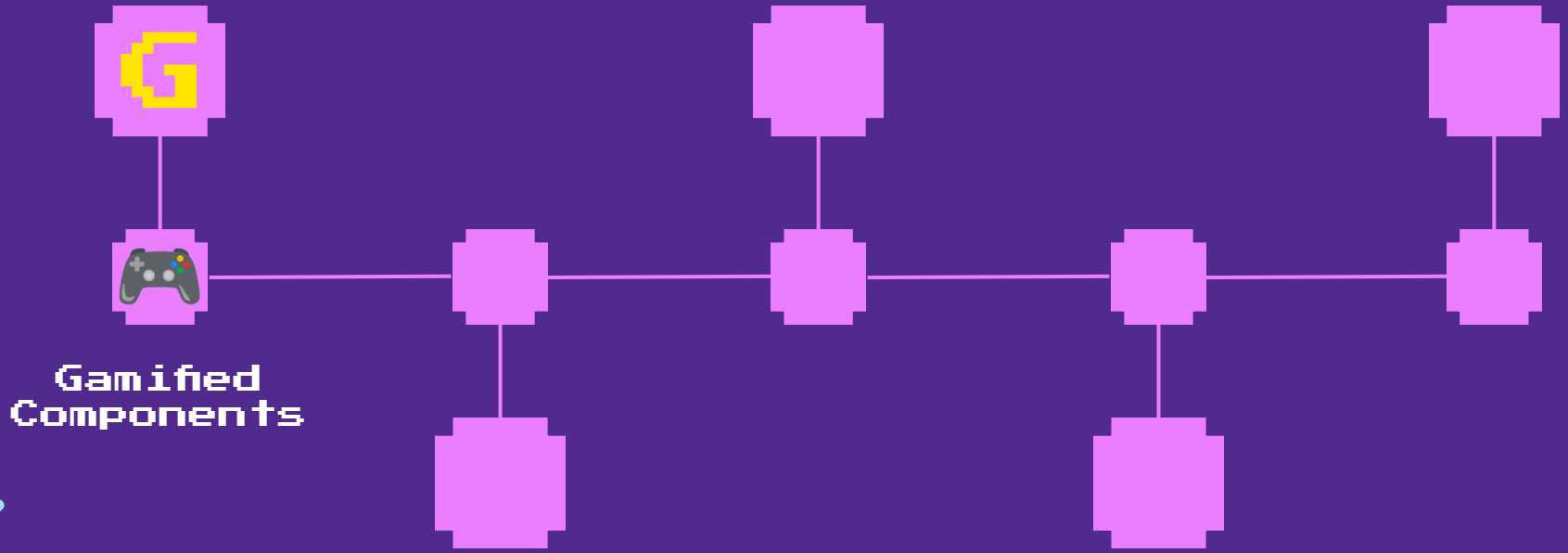
What We'll Cover

Gamification Techniques

Real-World Examples

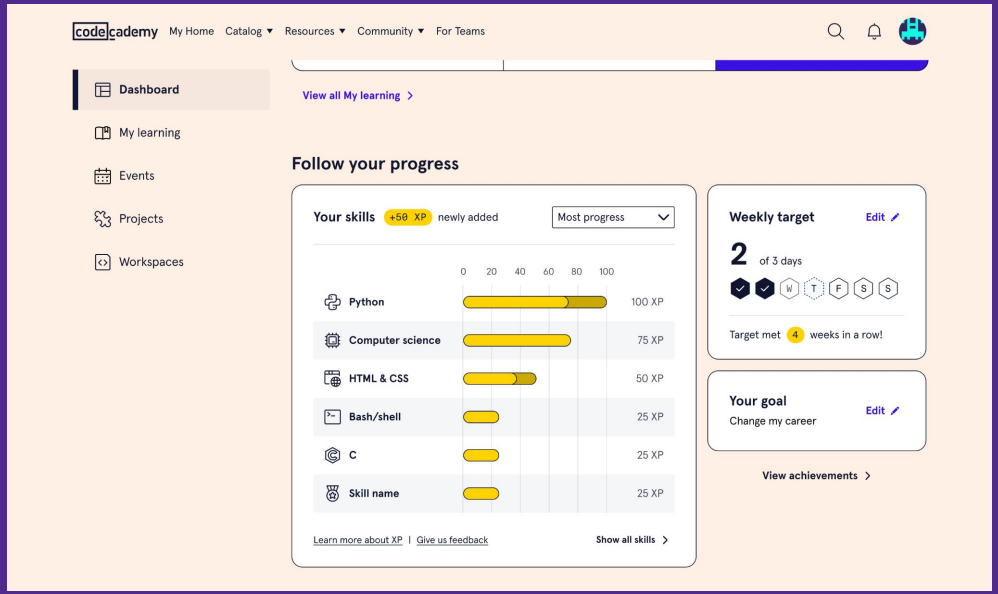
Coding Demo

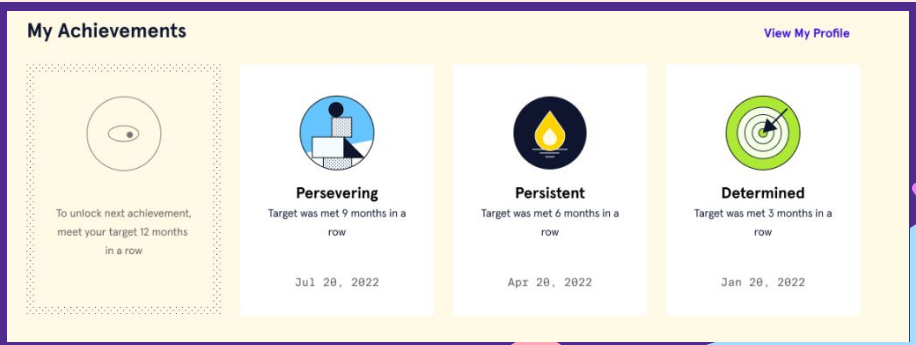
github.com/cyatteau/gamified-demo-conf42js-2024

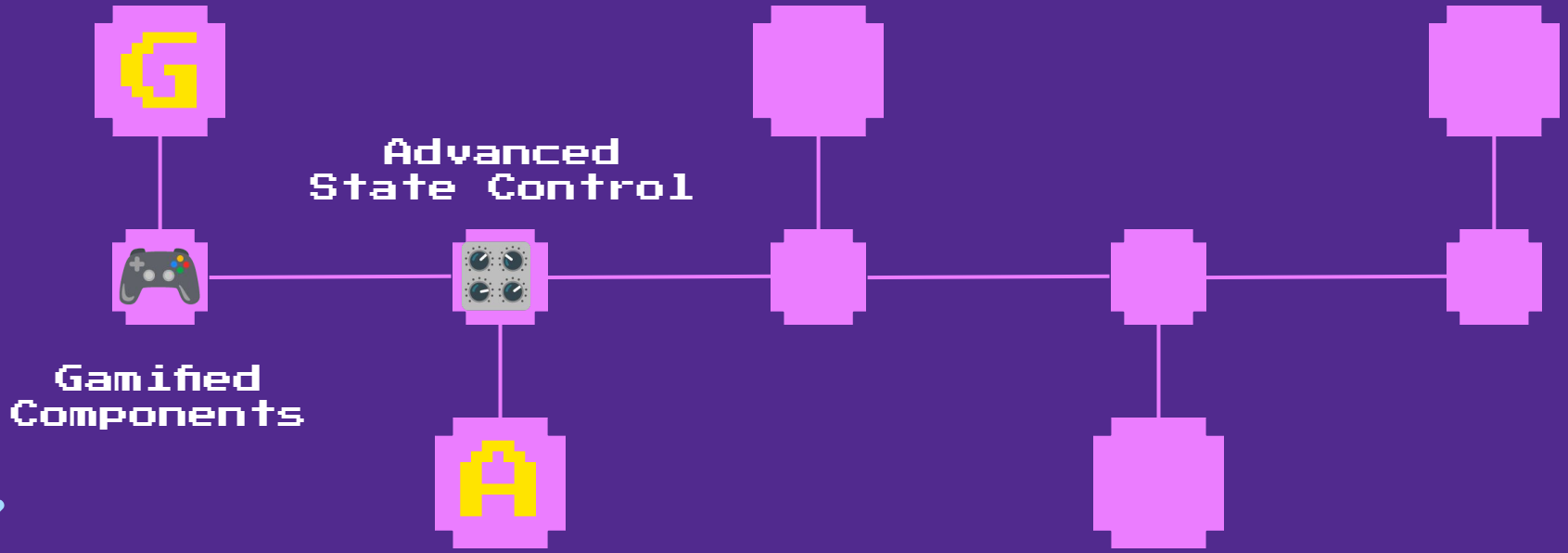

Gamified
Components

Gamified Components

XP, badges, progress bars, targets



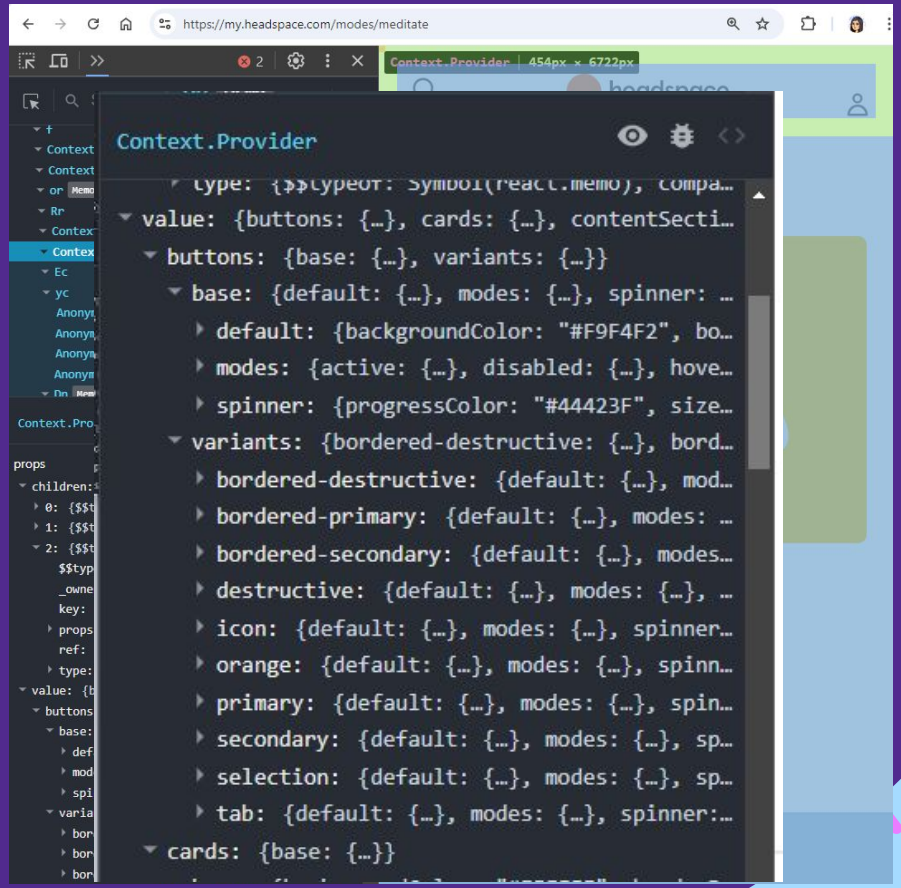


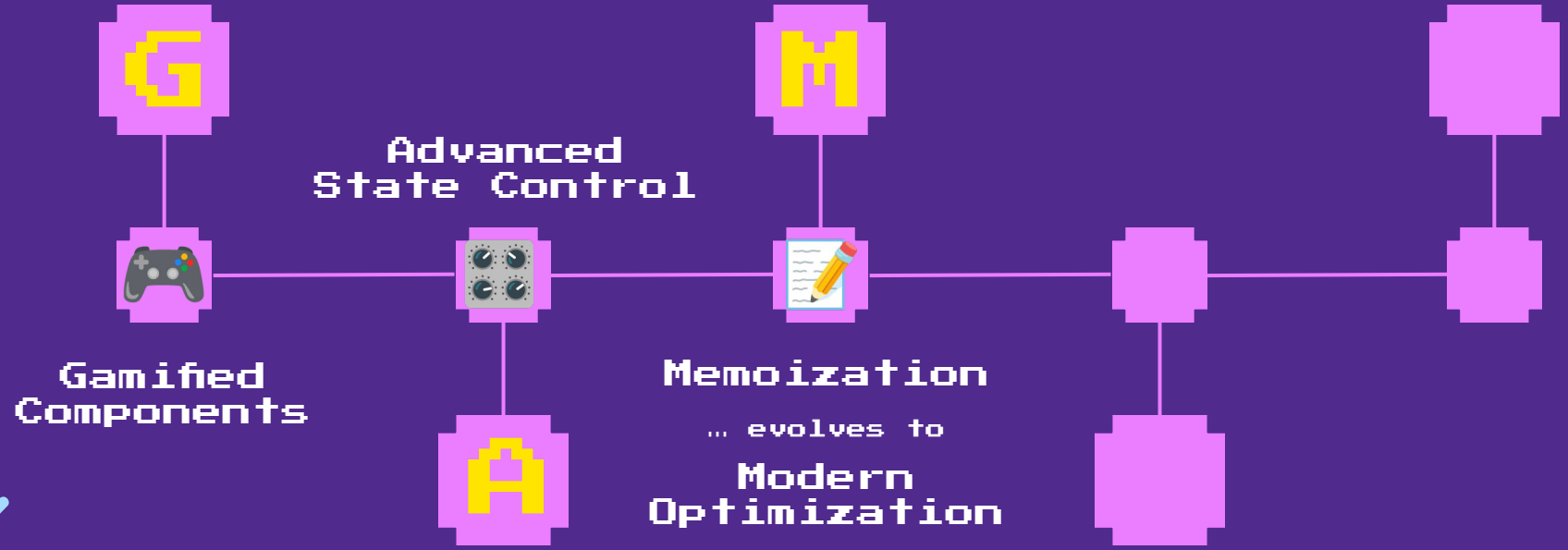

Advanced
State Control
Gamified
Components

Advanced State Control

Context API: UI Theming

- Consistent, dynamic, efficient




G
Advanced
State Control
M
Gamified
Components
A
Memoization
… evolves to
Modern
Optimization

React Compiler

This page will give you an introduction to React Compiler and how to try it out successfully.

Under Construction

These docs are still a work in progress. More documentation is available in the React Compiler Working Group repo, and will be upstreamed into these docs when they are more stable.

You will learn

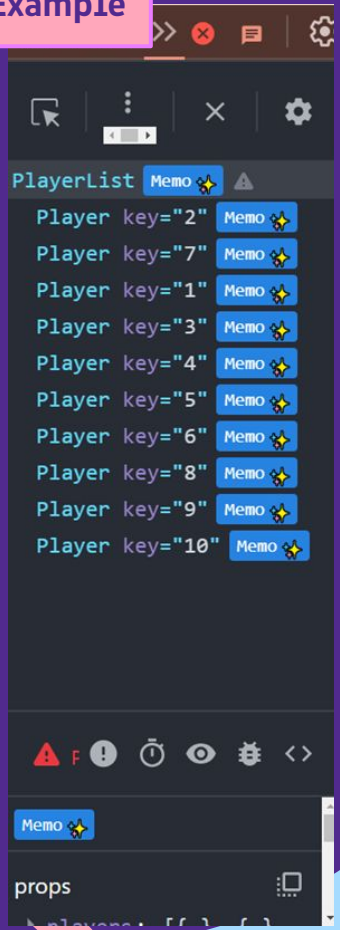
- Getting started with the compiler
- Installing the compiler and eslint plugin
- Troubleshooting

Note

React Compiler is a new compiler currently in Beta, that we've open sourced to get early feedback from the community. While it has been used in production at companies like Meta, rolling out the compiler to production for your app will depend on the health of your codebase and how well you've followed the Rules of React.

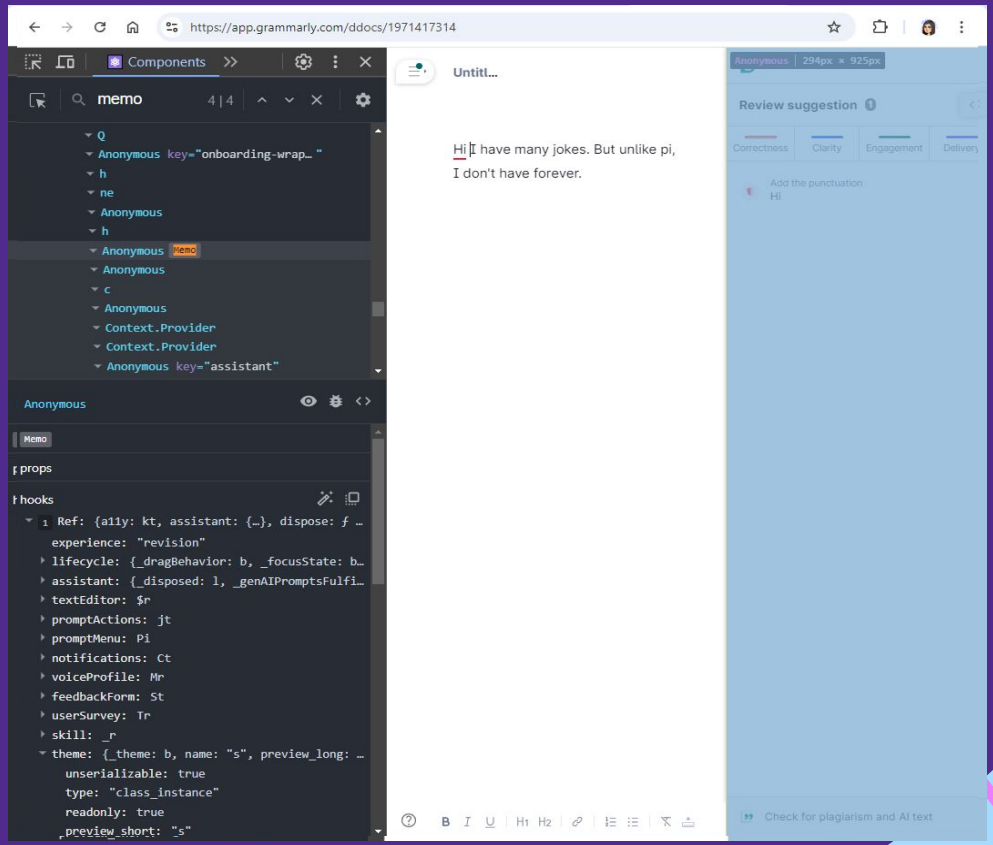
The latest Beta release can be found with the `@beta` tag, and daily experimental releases with

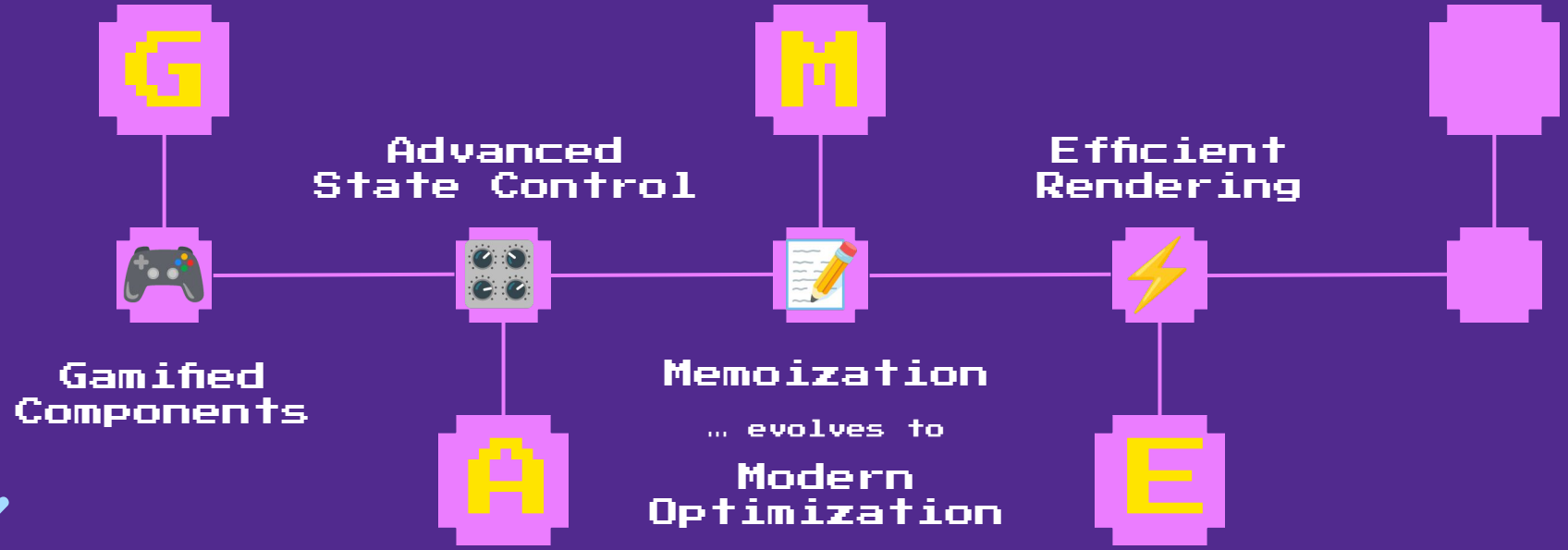
Example



Memoization

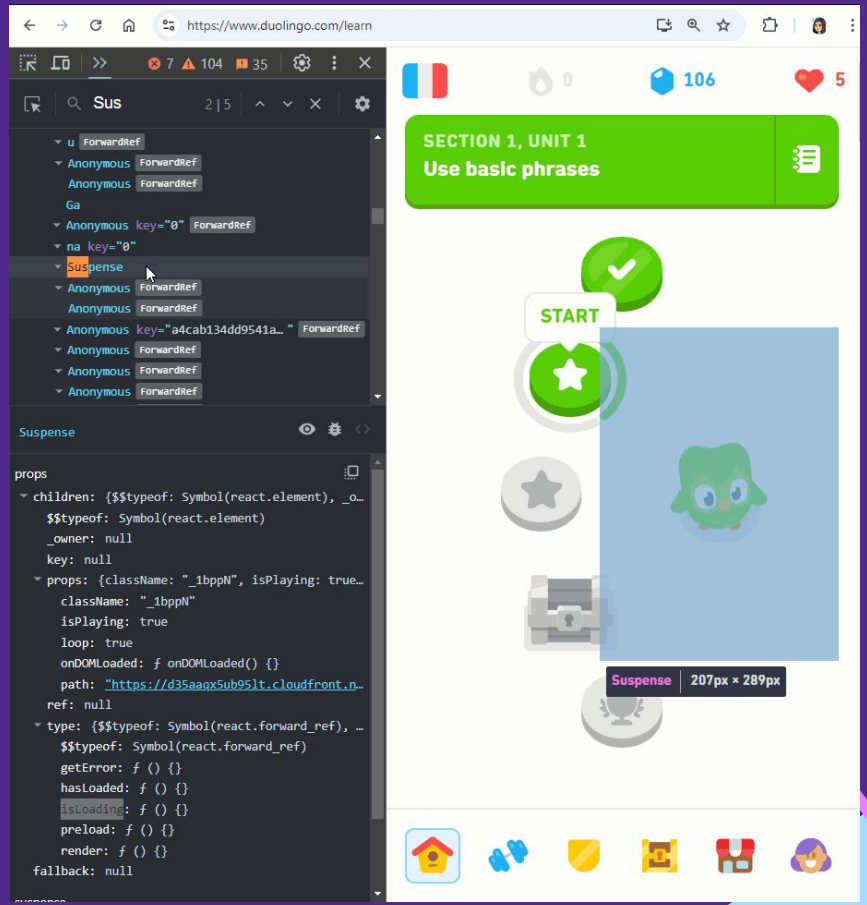
Efficient, selective re-rendering

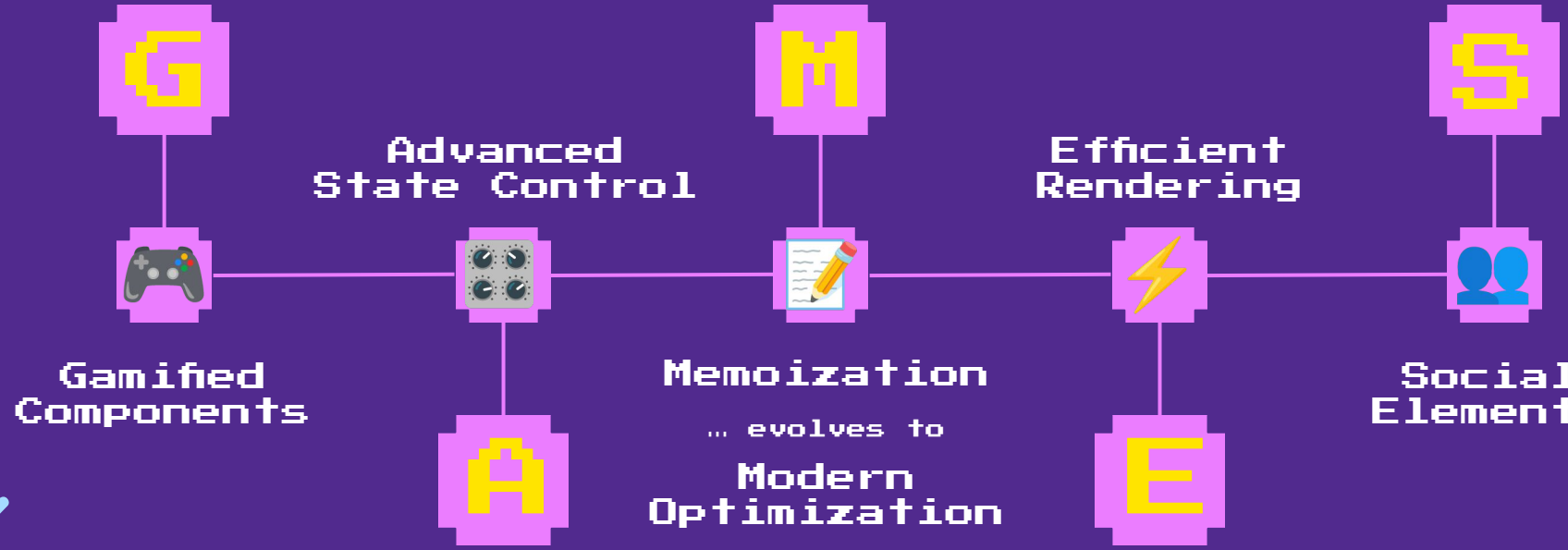



G
Gamified
Components
Advanced
State Control
A
M
Memoization
… evolves to
Modern
Optimization
Efficient
Rendering
E

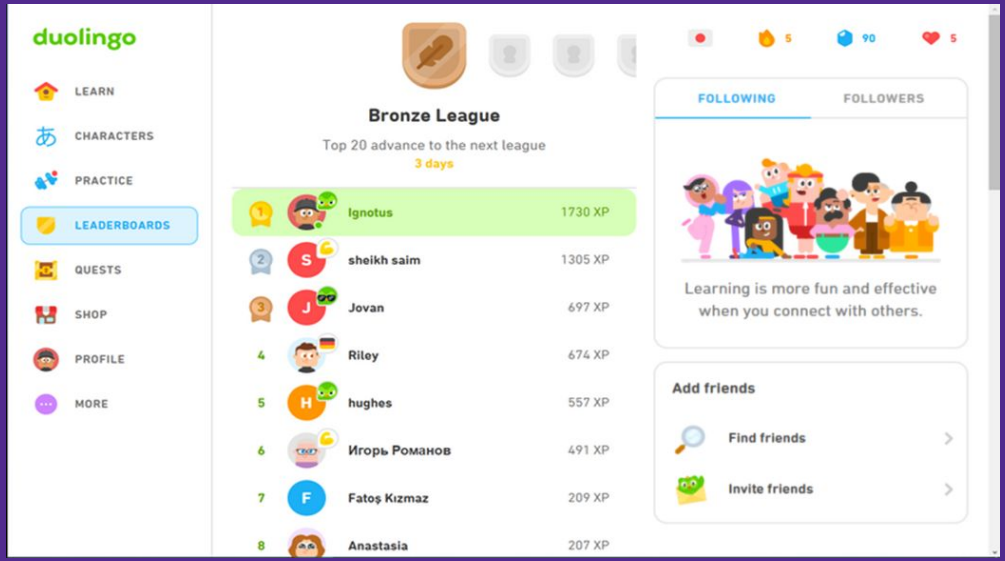
Effcient Rendering

Smooth animations via Suspense



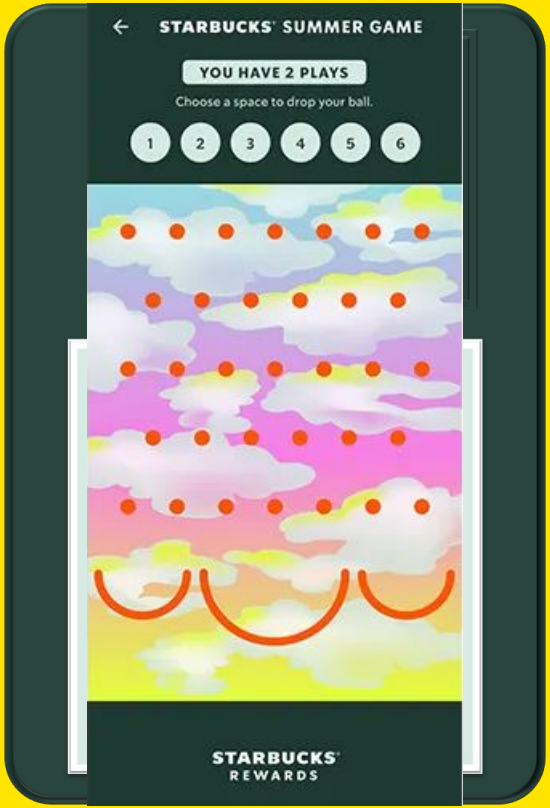

G
Gamified Components
A
Advanced State Control
M
Memoization
… evolves to
Modern Optimization
E
Efficient Rendering
S
Social Elements

Social Elements



GAMES

Gamified Components



Coding Demo

Let's build a gamified app together!

Starter code: github.com/cyatteau/gamified-demo-conf42js-2024

RESOURCES

- React Documentation
- Esri Leaflet Documentation
- React Compiler Documentation
- Map Code Demo
    - Starter Code
    - Final Code

Thank you, Conf42 JavaScript 2024!

Courtney Yatteau

@c_yatteau

courtneyyatteau

bit.ly/conf42js2024-react-gamification

THANKS!

Do you have any questions?

youremail@freepik.com
+91 620 421 838
yourcompany.com

CREDITS: This presentation template was created by **Slidesgo**, including icons by **Flaticon**, infographics and images by **Freepik**

Please keep this slide for attribution