Building User Interfaces without React

… but with React.

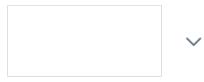# Luke Sheard

J.P. Morgan
InfernoJS

@SheardLuke
LukeSheard

Building UIs is Hard

This is why we have libraries like
Inferno,
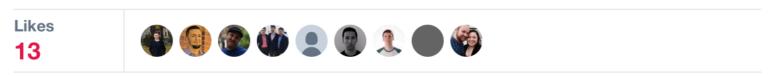React,
Angular
Preact,
Vue,
Backbone,
Ember,
Polymer

Why not the DOM?

The DOM Sucks.

🇺🇸**Ken Wheeler** 🇺🇸
@ken_wheeler

Fuck it. Im right about the DOM sucking. You know it. i know it. I just have the ball to say it. Im passing out.

Likes
13

8:34 PM - 18 Apr 2017 from Allenwood, NJ

Web Components?

Don't solve the problem.

Why not render React?

Using React in your Web Components

```
const proto = Object.create(HTMLElement.prototype, {
  attachedCallback: {
    value: function() {
      const mountPoint = document.createElement('span');
      this.createShadowRoot().appendChild(mountPoint);

      const name = this.getAttribute('name');
      const url = 'https://www.google.com/search?q=' + encodeURIComponent(name);
      ReactDOM.render(<a href={url}>{name}</a>, mountPoint);
    }
  }
});
document.registerElement('x-search', {prototype: proto});
```

Let's look at React

```javascript
import * as React from 'react';
import * as ReactDOM from 'react-dom';

export function createWebComponent(Component) {
  return class extends HTMLElement {
    attributeChangedCallback(name, oldValue, value) {
      if (oldValue !== value) {
        this.render();
      }
    }

    attachedCallback() {
      this.render();
    }

    render() {
      return ReactDOM.render(<Component />, this);
    }
  };
}
```

Thank You

@SheardLuke