

Styling React Components

WHAT REACT HAS DONE FOR STYLING



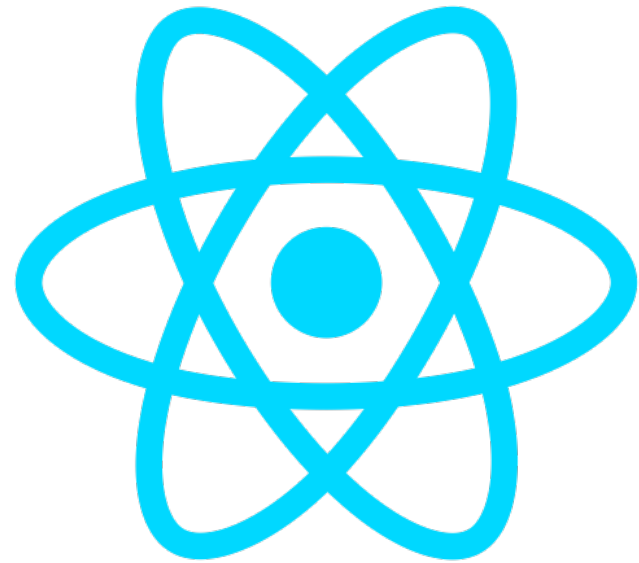
Jake Trent

CREATOR

jaketrent.com

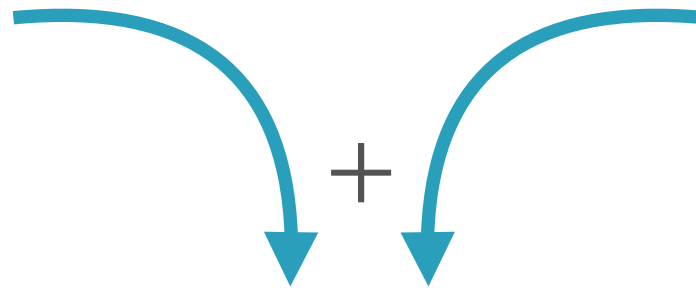
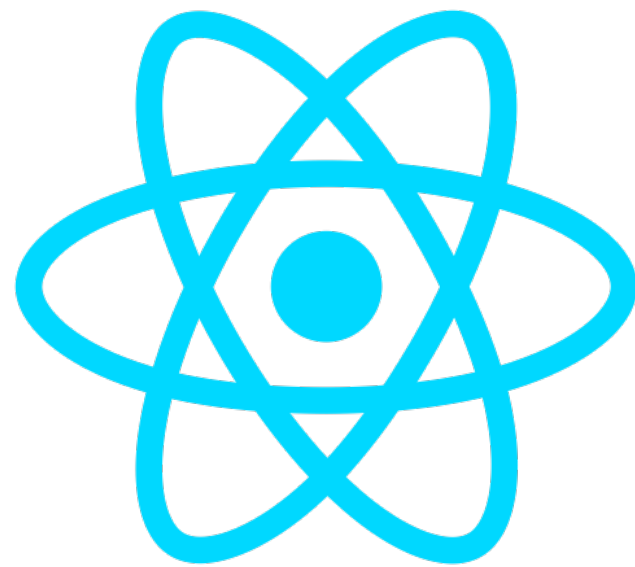


React



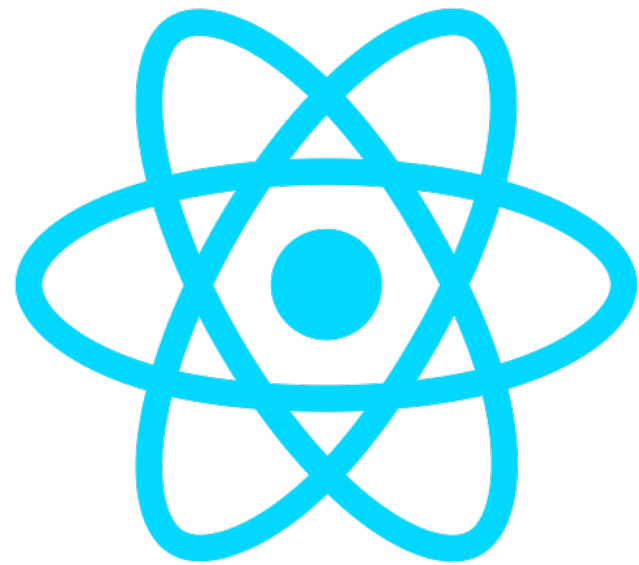
CSS





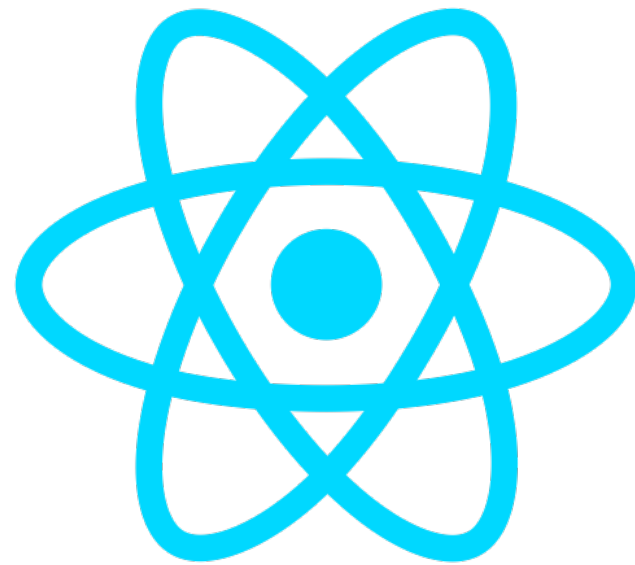
Styling React components





`<MyInterface />`





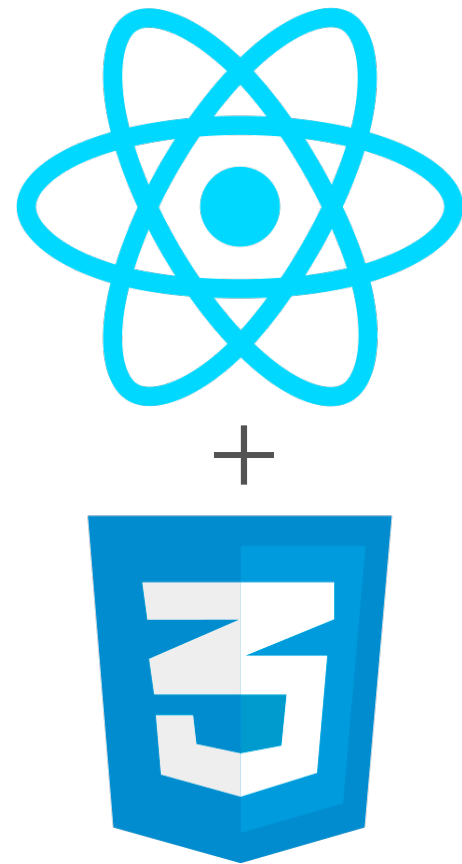
```
<MyInterface>  
  <InputField />  
  <SubmitButton />
```





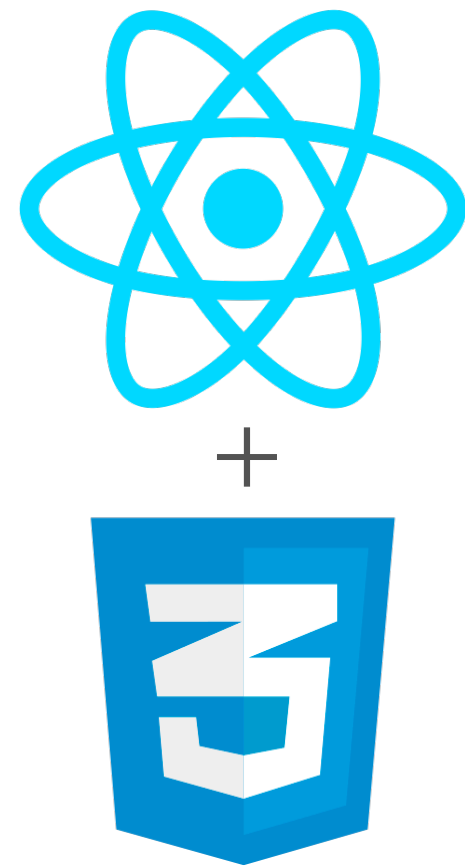
```
.my-style {  
  display: awesome;  
}
```





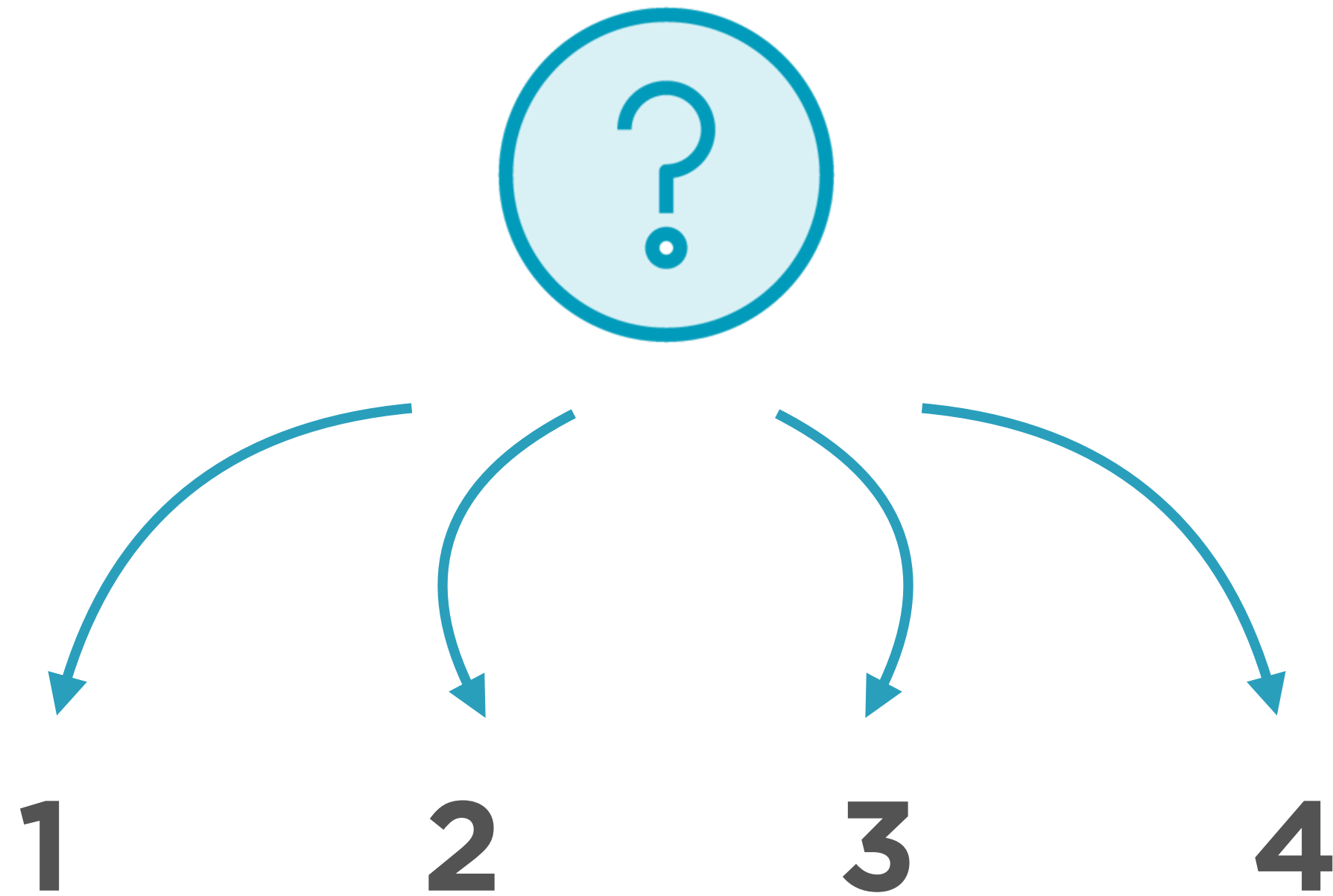
```
<MyInterface  
  className="my-style" />
```





- Inline styling
- CSS-in-JS libraries
- CSS stylesheets
- CSS modules





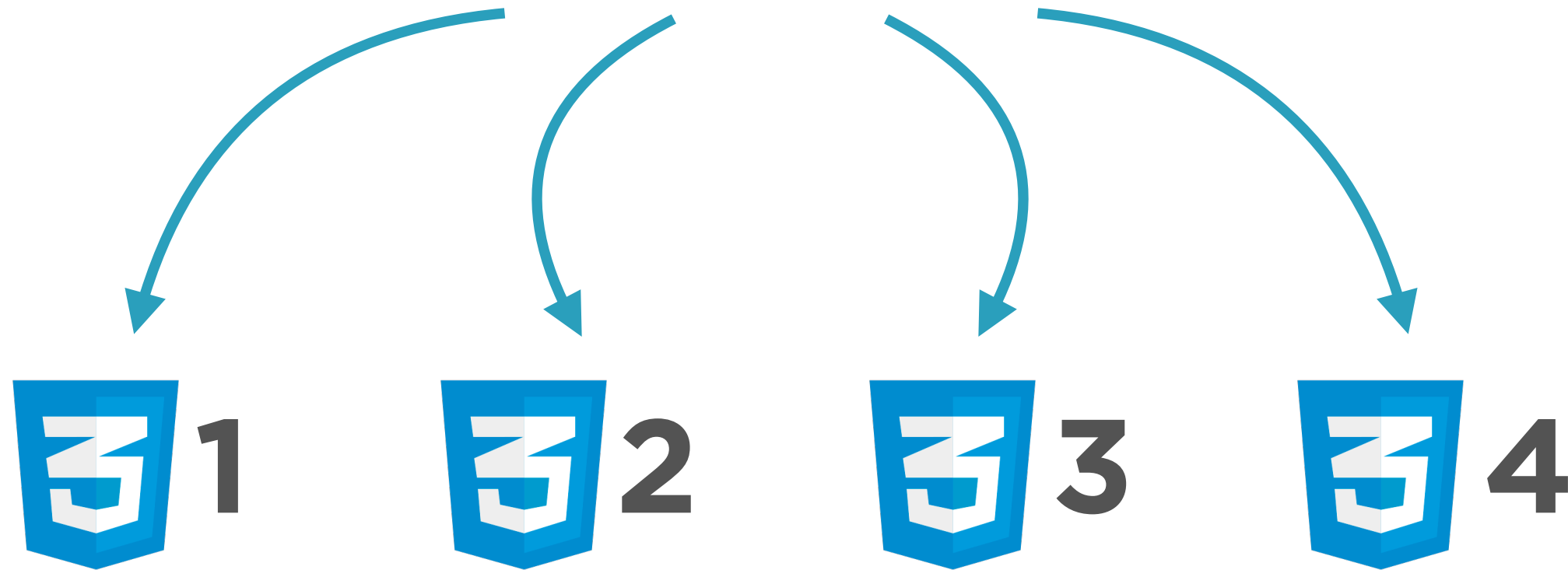
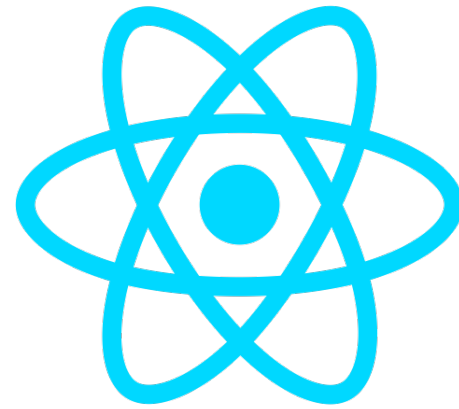
Function > Style



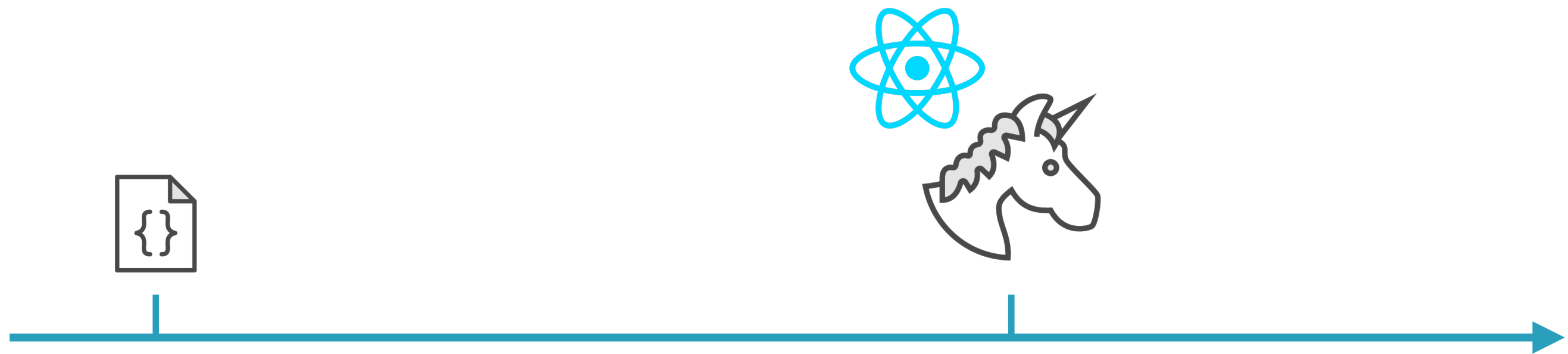


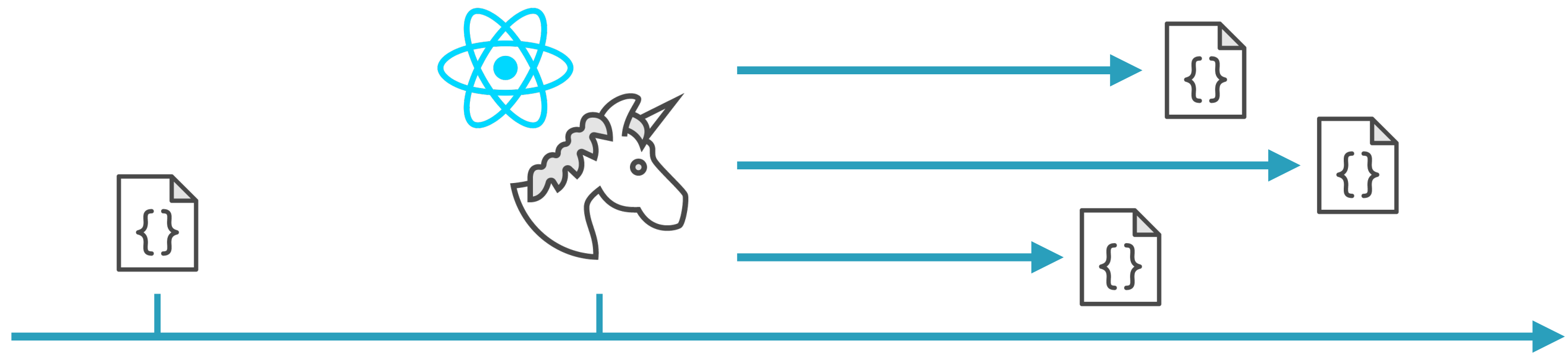
- Usability
- User satisfaction
- Attractive
- Brand





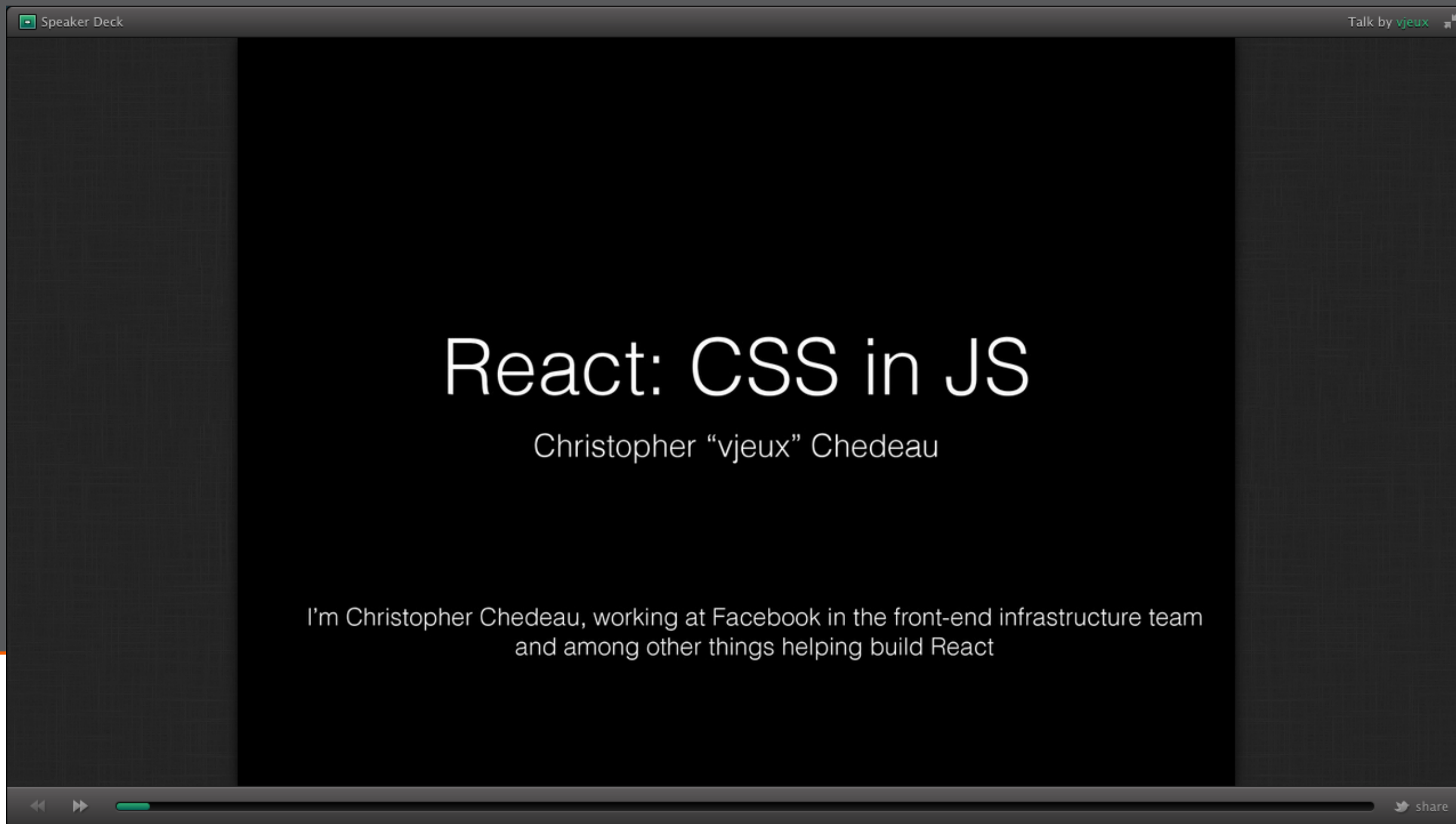






@vjeux





“Problems with CSS at Scale”

speakerdeck.com/vjeux/react-css-in-js





1. Global namespace
2. Dependencies
3. Dead code elimination
4. Minification
5. Sharing constants
6. Non-deterministic resolution
7. Isolation





Global Namespace

```
.my-selector {}
```

```
.etc {}
```

```
.my-selector {
```

```
    /* accidental overrides */
```

```
}
```





Dependencies

```
<div className="selector-from-somewhere" />
```





Dead Code Elimination

```
.who-knows {}  
.what-can {}  
.safely {}  
.be-removed {}  
...
```





Minification

```
.selector-names {}  
.of-storied-past {}  
.and-great-lineage {}  
...
```





Sharing Constants

```
.my-selector {  
  animation-duration: 400ms; /* same as JS */  
}
```





Non-deterministic Resolution

```
const link = document.createElement('link')  
link.rel = 'stylesheet'  
link.href = 'some-new-stylesheet.css'  
document.head.appendChild(link)
```





Isolation

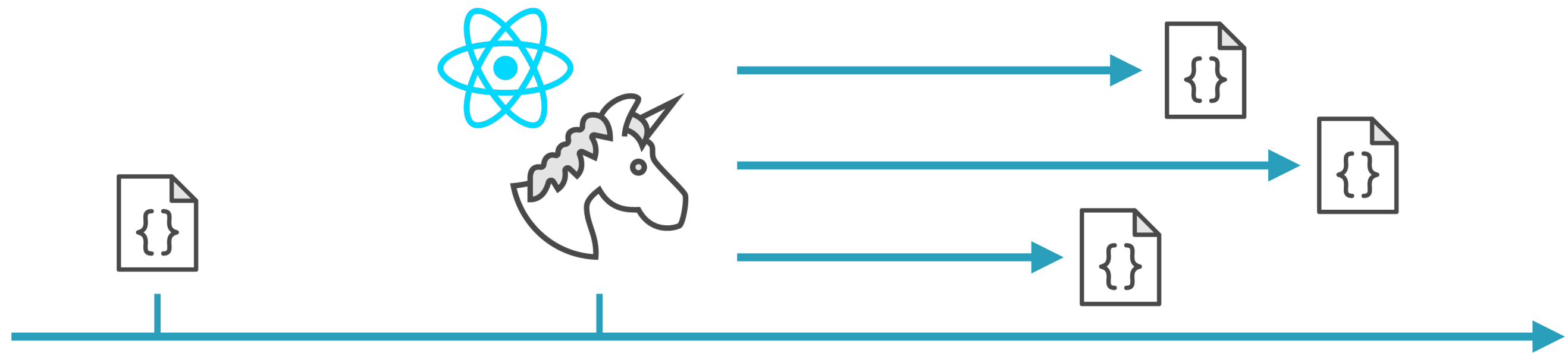
```
.some-component > div > a {  
  text-decoration: none;  
}
```

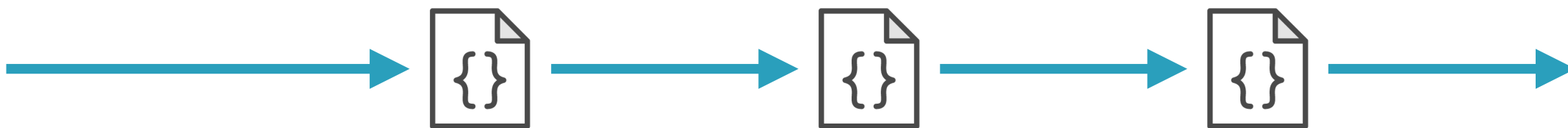




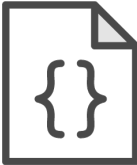



- Hacks
- Utilities
- Languages







-  - Inline styling
-  - CSS-in-JS libraries
-  - CSS stylesheets
-  - CSS modules

