A COMPARISON

SVELTE VS REACT

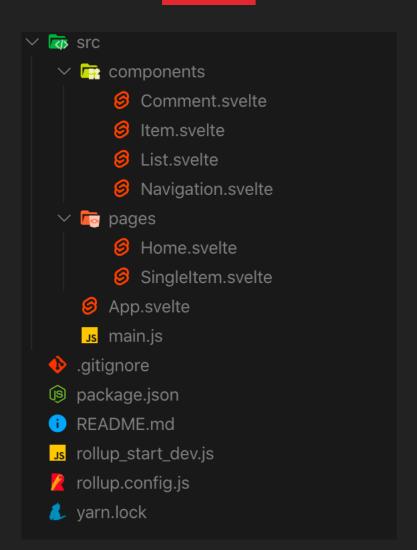
LET'S BEGIN

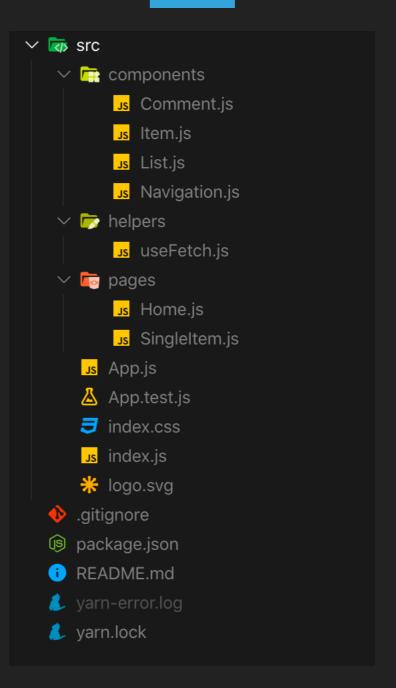
WHO AM 1?

- Web Developer
 - Github (<u>https://github.com/kevmodrome</u>)
 - Twitter (@kevmodrome)
- Svelte Community contributor (<u>https://github.com/sveltejs/community</u>
- Svelte News Podcast

THE STRUCTURE

SVELTE





THE STARTING POINT

SVELTE

```
src > Js App.js > ...
 import React from 'react';
 import {
   BrowserRouter as Router,
   Switch,
   Route
 } from "react-router-dom";
 import Navigation from './components/Navigation'
 import Home from './pages/Home'
 import SingleItem from './pages/SingleItem'
 function App() {
   return (
       <Navigation />
       <div style={{ maxWidth: '700px', margin: '0 auto' }}>
         <Switch>
           <Route path="/item/:id">
           </Route>
           <Route path="/">
           </Route>
         </Switch>
       </div>
     </Router>
 export default App;
```

ADDING A HOMESCREEN

SVELTE



FETCHING DATA & LIST COMPONENT - REACT

```
src > components > Js List.js > ...
  import React from 'react'
  import { useFetch } from '../helpers/useFetch'
  import Item from './Item'
  const List = ({ route, page }) \Rightarrow {
    const [loading, data] = useFetch(`${route}${page}`)
    return (
      <>
         <div>
           {loading ? \langle h2 \rangleLoading...\langle h2 \rangle : data.map((item) \Rightarrow {
             return <Item {...item} />
           })}
         </div>
      </>
  export default List
```

```
src > helpers > Js useFetch.js > ...
 import { useState, useEffect } from 'react'
 export const useFetch = (url) \Rightarrow \{
   const [loading, setLoading] = useState(false)
   const [data, setData] = useState([]);
   useEffect(() \Rightarrow \{
      (async () \Rightarrow {
        setLoading(true)
        const res = await fetch(url);
        const data = await res.json();
        setData(data);
        setLoading(false)
     })();
   }, [url]);
   return [loading, data];
 };
```

FETCHING DATA & LIST COMPONENT - SVELTE

SVELTE

DISPLAYING THE ITEMS



```
src > components > 6 Item.svelte > ...
  import { fade } from "svelte/transition";
  export let id, title, points, user, time_ago, comments_count, url, index;
  import { Link } from "svelte-routing";
</script>
    padding: 5px 10px;
    margin: 15px;
    background: rgb(248, 248, 248)
    border-radius: 10px;
 </style>
    <a href={url}>{title}</a>
  </h2>
    {points} points by {user} {time_ago}
    <Link to={`/item/${id}`}>{comments_count} comments</Link>
  </article>
```

```
REACT
```

SHOWING COMMENTS - 1





```
src > pages > Js SingleItem.js > ...
 import React from 'react'
 import { useParams } from "react-router-dom";
 import { useFetch } from '../helpers/useFetch'
 import Comment from '../components/Comment'
 const SingleItem = () \Rightarrow {
   let { id } = useParams()
   const [loading, data] = useFetch(`http://node-hnapi.herokuapp.com/item/${id}`)
   return (
       {loading ? <h1>Loading comments...</h1> :
           <h1>{data.title}</h1>
           submitted by {data.user} {data.time_ago}
           <Comment comment={data} />
         </>}
     </div>
 export default SingleItem
```

SHOWING COMMENTS - REACT

```
src > components > Js Comment.js > ...
import React from 'react'
const Comment = ({ comment }) ⇒ {
   const nestedComments = (comment.comments || []).map(comment ⇒ {
    return <Comment key={comment.id} comment={comment} type="child" />
  })
   return (
     comment.title ? nestedComments : \langle \text{div } sty \ell e = \{ \{ \text{"marginLeft": "25px", "marginTop": "20px" } \} \rangle
       {comment.user} {comment.time_ago}
       <div style={{ borderBottom: '1px solid lightgrey' }} dangerouslySetInnerHTML={{ __html: comment.content }} />
       {nestedComments}
     </div>
export default Comment
```

SHOWING COMMENTS – SVELTE



```
src > components > 6 Comment.svelte > ...
 <script>
  export let comment;
</script>
 <style>
  .container {
    margin-left: 25px;
    margin-top: 20px;
   color: grey;
   font-size: 0.9em;
   .htmℓ {
     border-bottom: 1px solid lightgrey;
 </style>
 {#each comment.comments as comment}
   <div class="container">
     {comment.user} {comment.time_ago}
    <div class="html">
       {@htmℓ comment.content}
    </div>
     <svelte:self {comment} />
   </div>
 {/each}
```

WHAT'S THE END RESULT?

- Smaller bundle size
- Less code

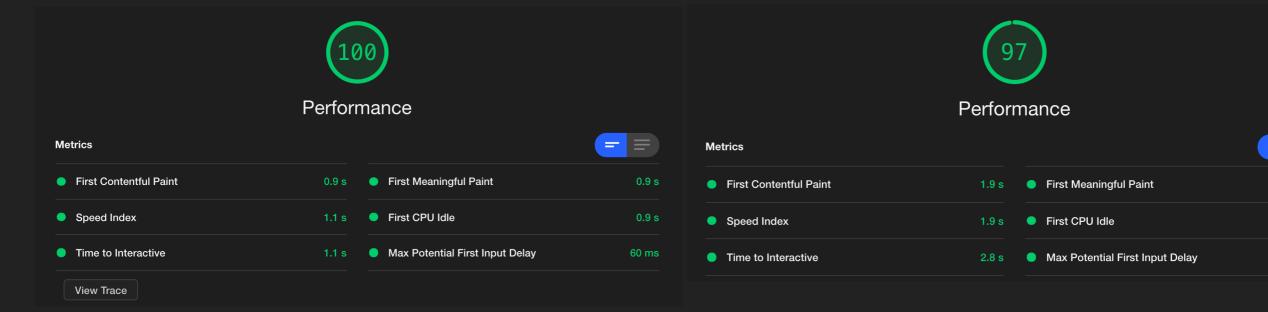




1.9 s

2.8 s

90 ms



THE END