

Liam Bennett – Mobile Solutions Architect





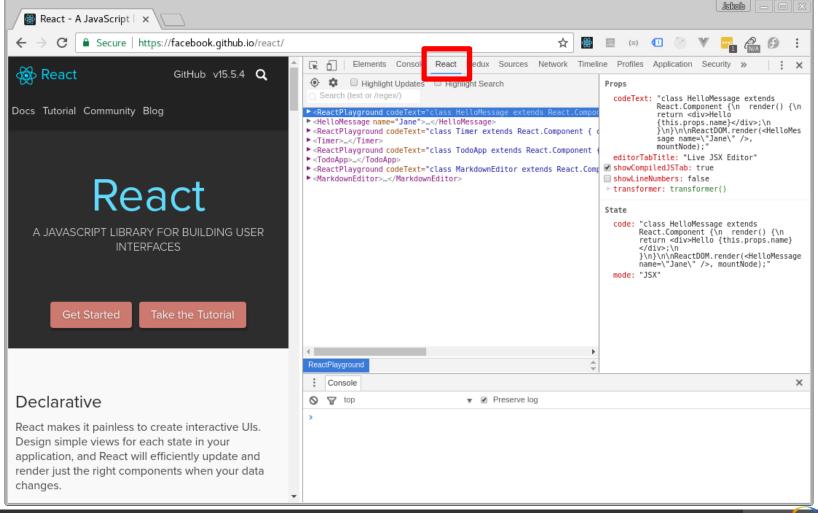
Linting Console

React Developer Tools Visualisation Tools

React Developer Tools

A browser plugin built by Facebook

https://chrome.google.com/webstore/detail/react-developertools/fmkadmapgofadopljbjfkapdkoienihi

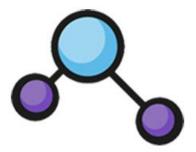


Using the new "React" tab you can inspect all your components visually.

You can expand the router, container and components.

For each component you can see the props, state, key and ref values.

Visualisation



React Sight

A React visualization tool with a live state and prop tree viewer that complements React devtools.

https://github.com/React-Sight/React-Sight





React Monocle

A developer tool for generating visual representations of your React app's component hierarchy.

https://github.com/team-gryff/react-monocle

Gmail Images :::

_ent/insta-clone — -bash _ith/artistree v2 -- bash ... + __ireact-monocie — -bash ... __ocie-spectacle — -bash ... __ounter-example — -bash ... __node • npm_ple_Terminal ___ Jerrys-MacBook-Air:insta-clone jerrymao\$ monocle -c build/index.html -b main -d src -j js

insta-clone - - bash - 157×60

...

The Advanced **ExLibris**

Performance

Rendering is <u>expensive</u>

How can we minimise render cycles?

Why did you update?

why-did-you-update is a library that hooks into React and detects potentially unnecessary component renders.

It detects when a component's render method is called despite its props not having changed.

https://github.com/maicki/why-did-you-update

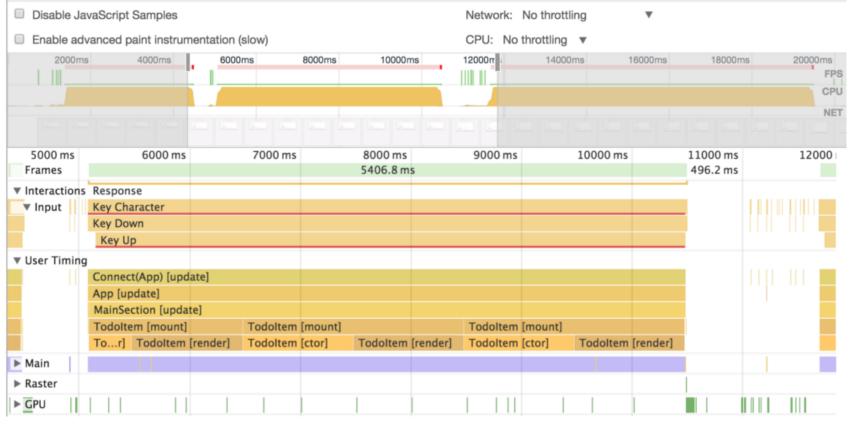
```
import React from 'react'

if (process.env.NODE_ENV !== 'production') {
  const {whyDidYouUpdate} = require('why-did-you-update')
  whyDidYouUpdate(React)
}
```

deepDiff.is:38

A ▶ Value did not change. Avoidable re-render!

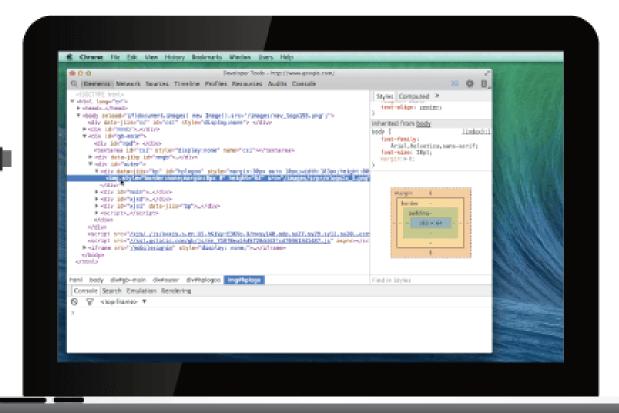
React and User Timing API



React 15.4.0 introduced a performance timeline that lets you record component performance.

Remote Debugging?



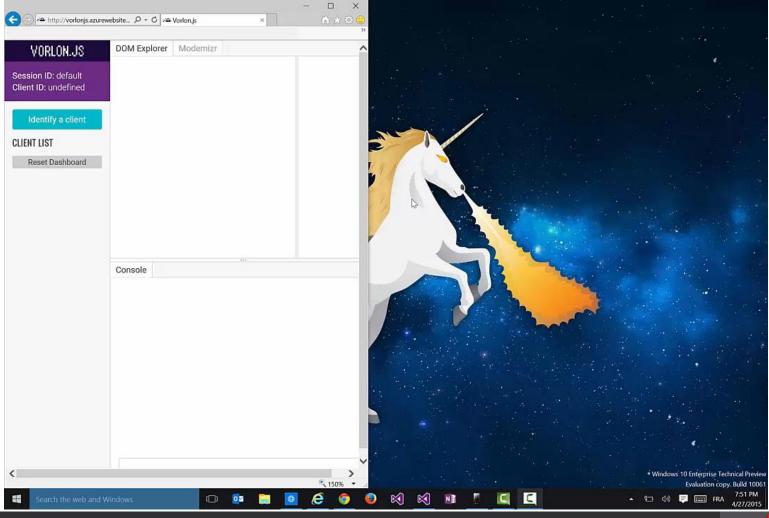




VorlonJS?



A platform-agnostic tool for remotely debugging and testing your JavaScript.



Why?

Easy setup

Install Vorlon.JS and add a single line of JavaScript to your web app. Run your server and start the Vorlon.JS dashboard.

Multi-device

Remotely connect up to 50 devices simultaneously. Run your code on each or all of them with a single click.

Extensible

Debug JavaScript on nearly any platform with a web environment. Plugins allow you to add new features and resources.

Easy with AEK... yes!

@ombiel/remote-debug-plugin - v0.0.8



AEK Remote Debug

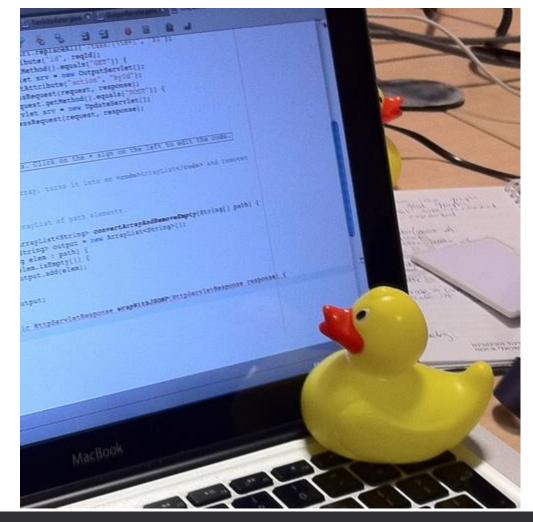
In combination with an http proxy tool, this plugin can be used to route a native (AppStore) CampusM app to your local devserver/runserver environment, to test AEK screens in development prior to deployment.

In addition the plugin also provides a bundled version of Vorlon which offers developer tools such as a DOM inspector and interactive console.

https://npm.campusm.net/-/docs/@ombiel/remote-debug-plugin/0.0.8/

Demo





Rubber Duck Debugging



Explaining code to a rubber duck in hopes of finding a bug.

https://blog.wsol.com/how-a-rubber-duck-taught-me-to-be-a-betterprogrammer



