RECONSIDERING OPEN WEB TOOLING

Chris Heilmann @codepo8 – HalfStack London 2019

Chris Heilmann @codepo8

WALKING IN MY SHOES ...

CONSTRUCTION TIME AGAIN

Zoher Ghadyali @ZGhadyali

> Rachel Weil @partytimeHXLNT

Erica Draud @hiamerica

Brendyn Alexander <mark>@webrendyn</mark>

MORE THAN A PARTY

ENABLE WEB DEVELOPERS TO BE MORE PRODUCTIVE AS THEY CREATE AND MAINTAIN THEIR WEB SITES AND APPS

EVERYTHING COUNTS

Performance Security Accessibility

Interoperability App-readiness Maintenance/Automation

POLICY OF TRUTH

Performance

Security Accessibility Interoperability App-readiness Maintenance/Automation

38 38 39 39 40 40 41 SUFFER WELL 34 35 35 36 37 37

TIME?



47

44 45 45

42 43 43

SHAKE THE DISEASE ...

A PAIN THAT I'M USED TO ...

Performance Security Accessibility

Interoperability App-readiness Maintenance/Automation

GET THE BALANCE RIGHT

DEVELOP





LEARN + IMPROVE

MDN web docs moz://a

> WEB AND OTHER COMMUNICATION CHANNELS

PLEASURE LITTLE TREASURE



webhint.io

Api >

Concepts >

Configurations >

Configuring Webhint >

Connectors >

Development Flow Integration

Extensions >

Formatters >

Hints√

AMP HTML validator

Avoid CSS limits

Avoid HTTP redirects

axe accessibility check

Babel configuration hint set

Compatibility of CSS, HTML and JavaScript features

Correct `Content-Type` header

Correct manifest extension

Correct viewport

Disallowed HTTP headers

🦡 Performance

No one likes to wait while a website loads. Validate that you are using the right compression, cache strategy and more to make your site (re)load faster.

<u>9 Hints</u>

View All >

Pitfalls

Sometimes the web platform works in odd ways, often for good reasons. This can still result in hours spent debugging unexpected behavior. These hints warn you about common gotchas now to save you time later.

View All >

👌 Security

Browsers are one of the main vectors for attacks. The web platform has many features that allow you to mitigate the risks. Are you doing everything you can to keep your users safe?

<u> 10 Hints</u>

4 Hints

Development

Web developers use a wide variety of tools: bundlers, transpilers, optimizers... But sometimes there can be problems when using them together or the configuration might not be the most optimal. Let us take care of this for you!

13 Hints

PWA

Progressive Web Apps allow your users to have a more immersive experience within your site. Make sure your PWA looks the best no matter the platform of your users.

<u>6 Hints</u>

View All >

👩 Compatibility

The web has been around for decades and it can be accessed from many different devices and form factors, old and new. These hints help you make your sites more compatible so your users can have a better experience no matter how they visit you.

<u>12 Hints</u>

View All >

🕁 Accessibility

Is your site usable via the keyboard? Does your content have enough contrast to be read without issues? Everyone should enjoy your content. Let us help you!

View All > <u>14 Hints</u>

View All >

View All >



Customize

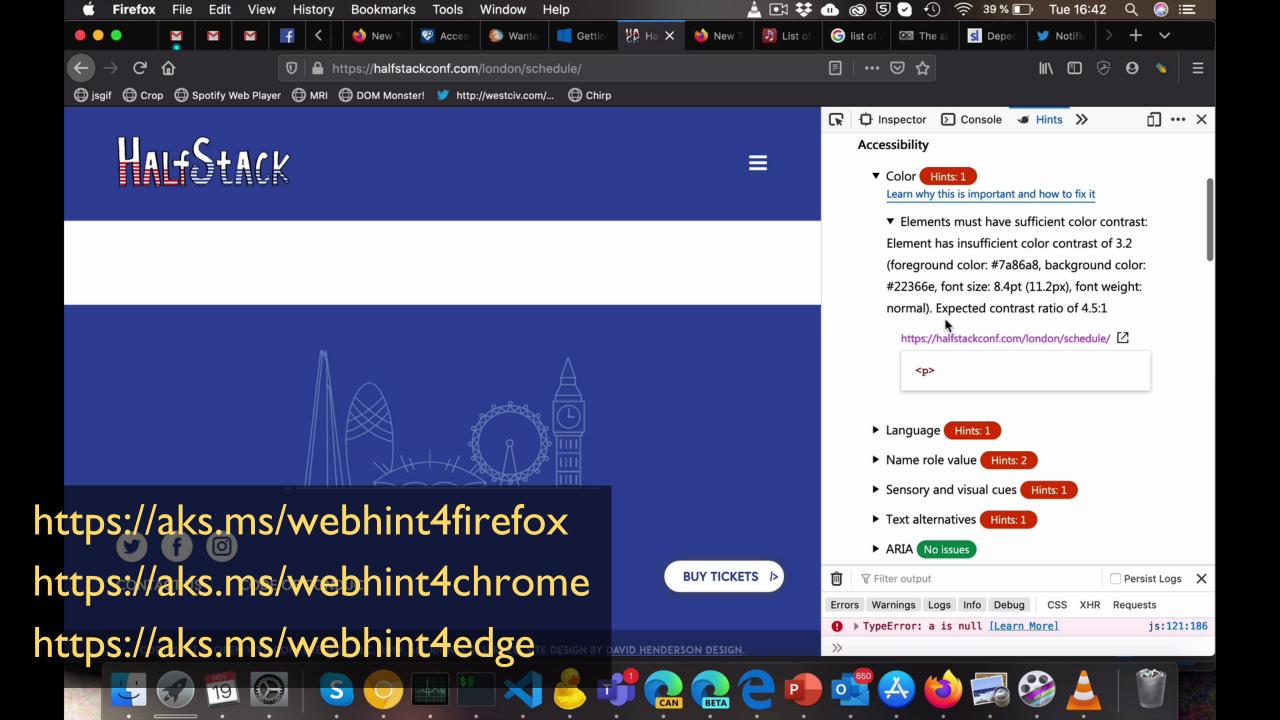
Every site is different. webhint adapts its feedback when you give it more information: <u>ignore 3rd-party code</u>, <u>prioritize your users' browsers</u>, and control the results with minimal setup.

Create

With the help of our <u>contributor guide</u>, you can <u>create new hints</u> to suit your needs.

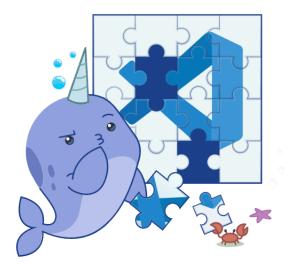
Contribute

webhint welcomes anyone who wants to make the web a better place. Join us on GitHub to file issues and feature requests, contribute code, and improve the documentation!



```
( index.html ) ( html ) ( body ) ( section#game ) ( div#operators
      <!DOCTYPE html>
  1
  2
      <html lang="en">
  3
      <head>
  4
          <meta charset="UTF-8">
  5
          <meta name="viewport" content="width=device-width, initial-scale=1.0">
          <meta http-equiv="X-UA-Compatible" content="ie=edge">
  6
          <title>Fifteen with Three</title>
  7
 8
          <link rel="stylesheet" href="fifteen-three.css">
          <link rel="stylesheet" href="dice.css">
  9
 10
      </head>
      <body>
11
       <header>
12
          <h1>15 with 3</h1>
13
          <a href="#intro">How to play</a>
14
      </header>
15
      <section id="game">
16
 17
          <!-- <div id="timer"></div> -->
          <!-- <div id="progressbar"><div></div></div> -->
18
          <button id="roll">Roll the Dice</button>
19
20
                                                   https://aks.ms/webhint4code
21
          <div id="rollresults">
 22
              <div class="flexgrid">
 23
                  <div class="slot">
```

Hints to help you throughout the web development cycle







Develop

Use the <u>VS Code extension</u> to get real-time feedback in your IDE when writing code

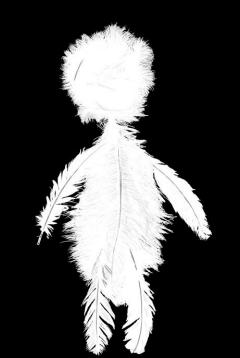
The <u>browser extension</u> lets you scan a site from within your browser's DevTools.

Debug

Deliver

Use the <u>webhint CLI</u> in your CI/CD pipeline to analyze your site before it goes into production.

PEOPLE === PEOPLE



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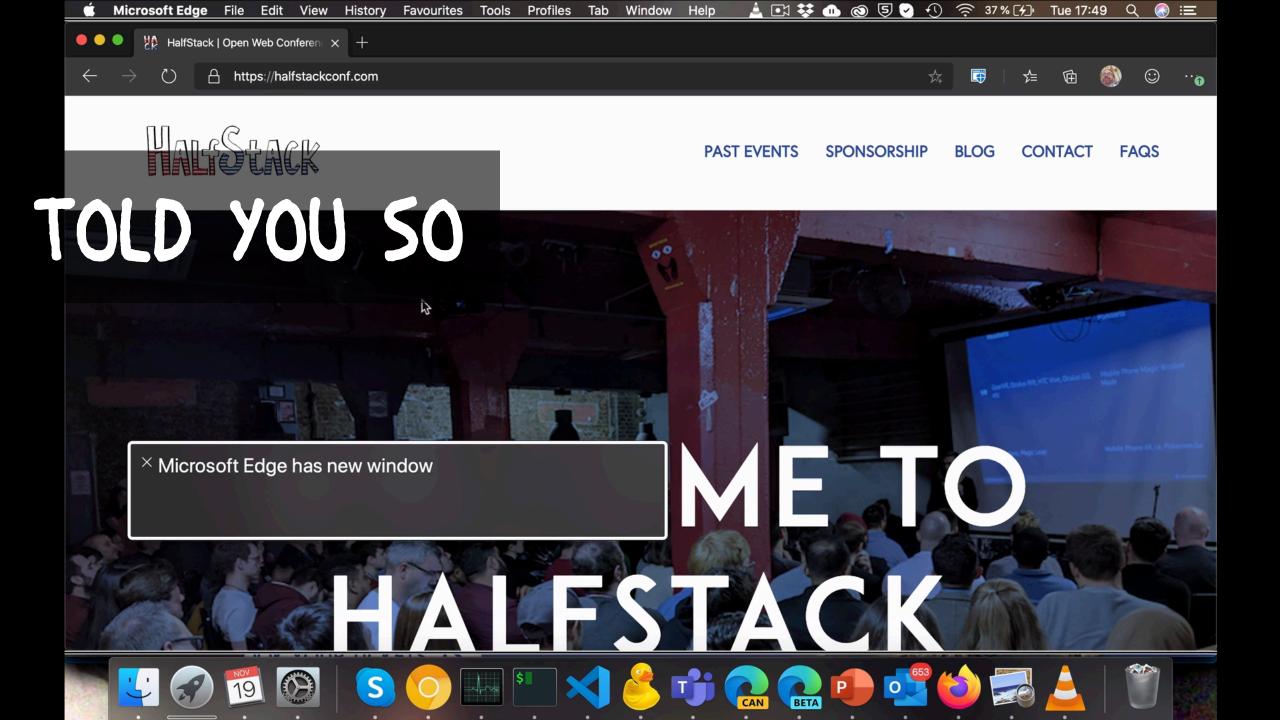
- SPEAK AND SPELL

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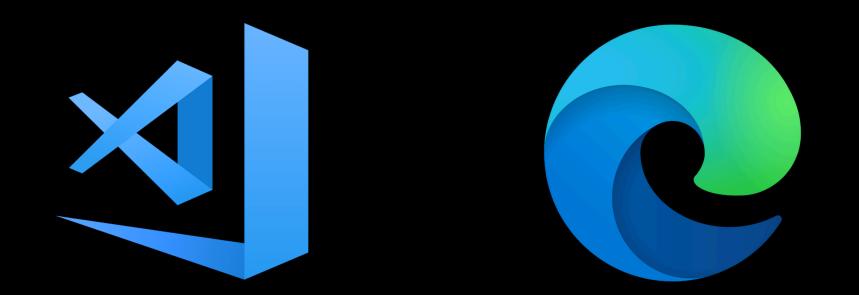
8 3 ▲ 11 ① ··· ×

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THE SWEETEST CONDITION



https://aks.ms/elements4code

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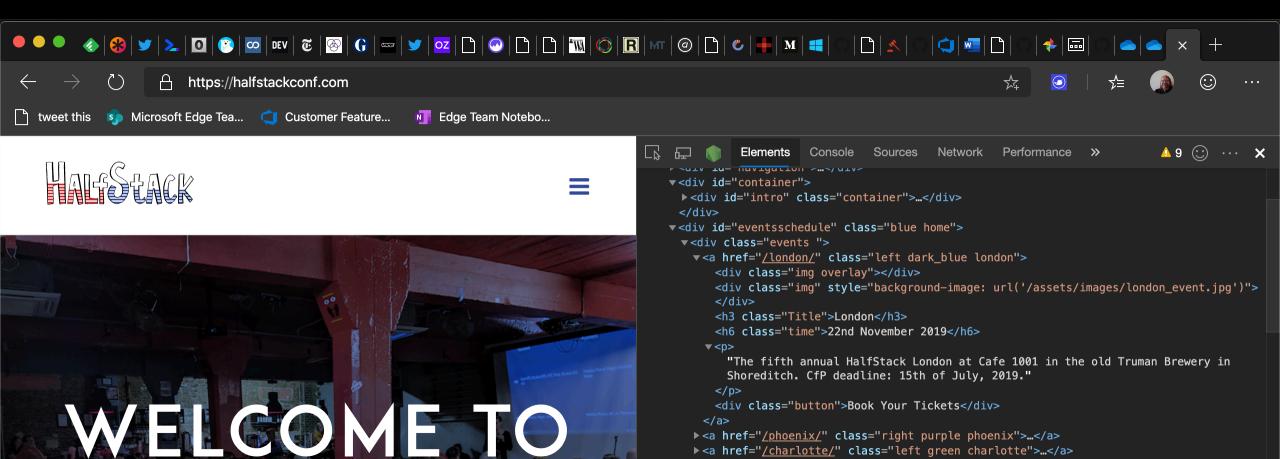
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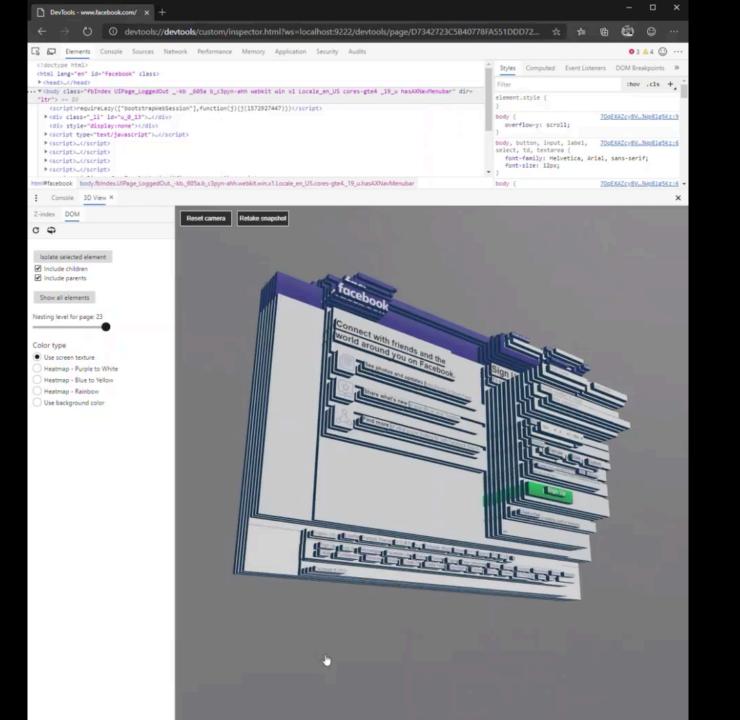
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Ŷ	Iaunch.json	4 <meta charset="utf-8"/>
	node_modules	5 <title>Web App</title> 6
8	_ ▲ src	7 <body></body>
\bigcirc	▲ assets	8 <div class="container"></div>
Ē	★ favicon.ico	9 <div class="banner container"></div>
	 index.html 	10 <h1>Elements for Microsoft Edge</h1>
	TS index.ts	11
	<pre> styles.scss </pre>	12 <button id="addButton">Add a new item</button>
	 styles.scss gitignore 	13 <div class="container" id="list"></div>
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	CHANGELOG.md	15 16
		17
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	() package.json	
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	JS serve.js	
	() tsconfig.json	
	() tslint.json	

🎩 yarn.lock

WORLD FULL OF NOTHING



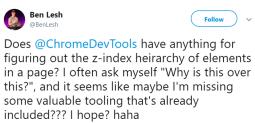


ONLY WHEN I LOSE MYSELF





III Joined March 2009



Follow



1:51 PM - 8 Oct 2019



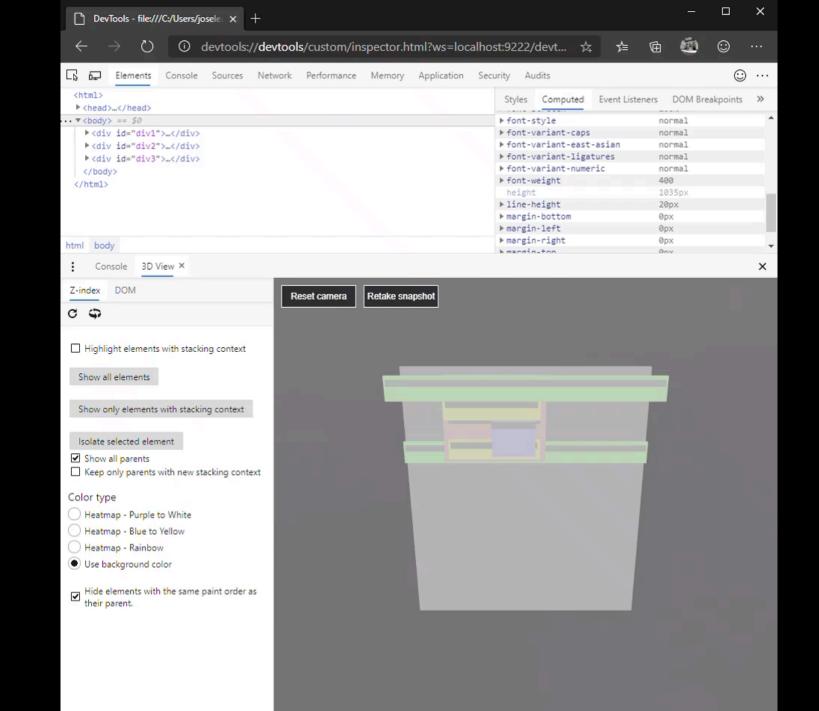


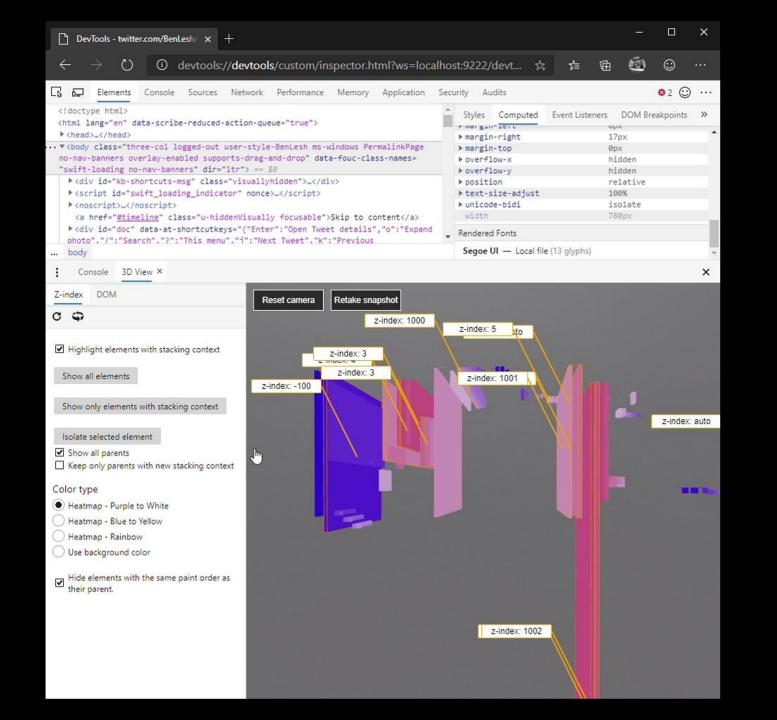
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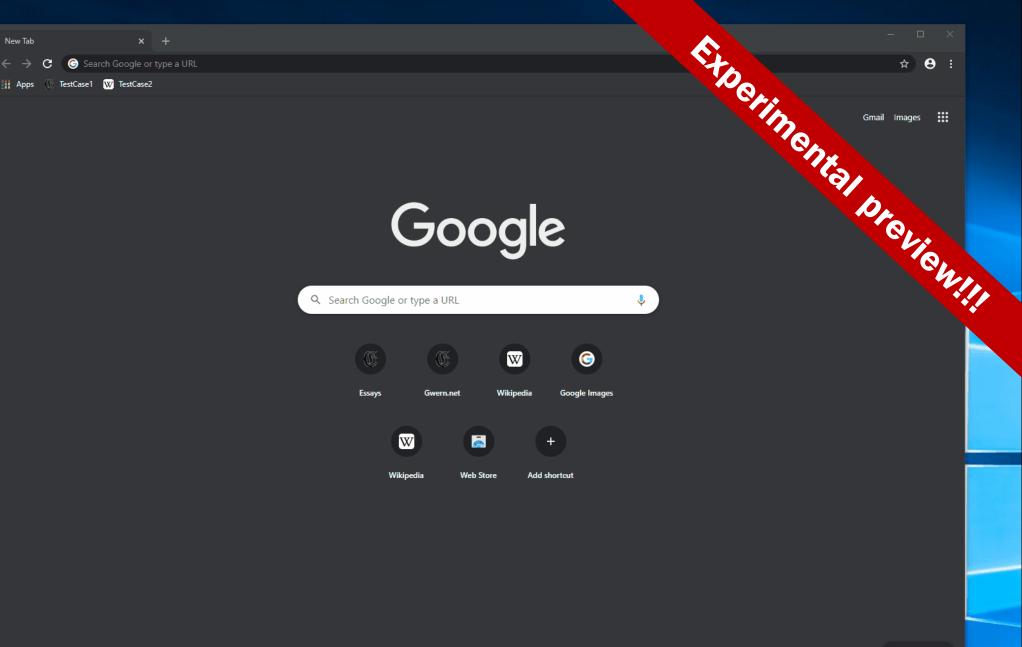
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LEBRATION U LACK



NEW LIFE

</> </> </>

From your IDE to your bundler, type system, transpilers, and linters there are many complexities when prepping code to run in the browser Browser DevTools & extensions, best practice analyzers, Fiddler, and more come together to help us find & fix issues

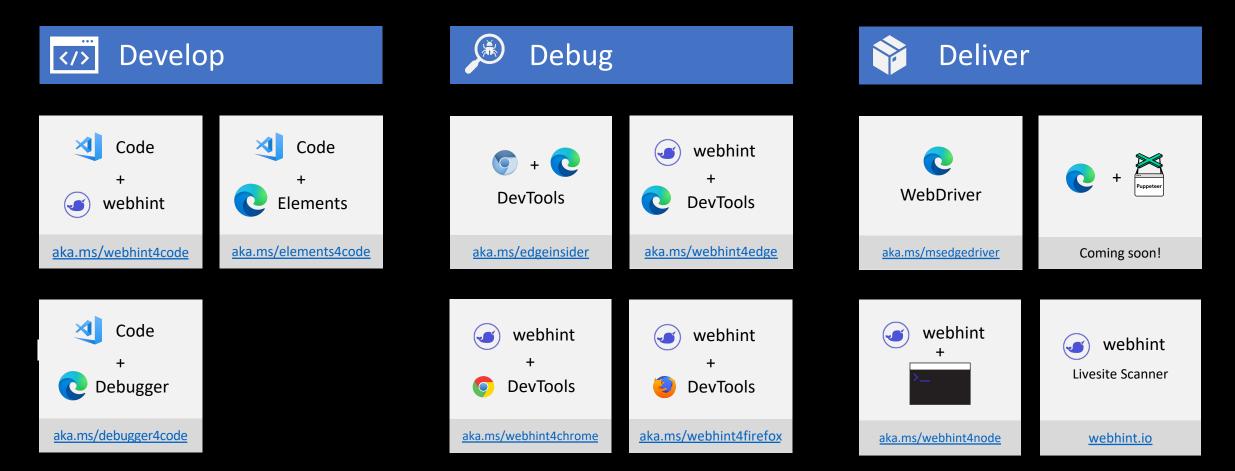
Debugging

and analy ship & ens across all platforms



We turn to automation & testing, CI/CD systems, cloud hosting, and analytics engines to ship & ensure quality across all browsers & platforms

. IF YOU WANT





BLASPHEMOUS RUMOURS

BEHIND THE WHEEL



THE BOTTOM LINE

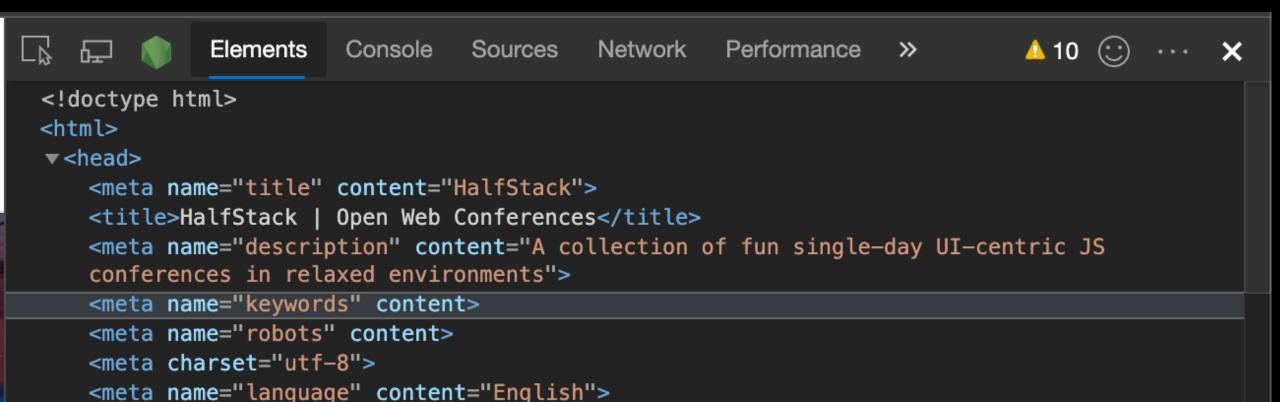


SOMETHING TO DO

Get the new Microsoft Edge (Mac/Windows): https://aka.ms/edgeinsider



JUST CAN'T GET ENOUGH...



<!doctype html>

<html>

<head>

<meta name="title" content=
<title>HalfStack | Open Wet
<meta name="description" cc
conferences in relaxed envi
<meta name="keywords" conte
<meta name="robots" content
<meta charset="utf-8">
<meta name="language" conte</pre>

Elements

Send feedback

Describe what's happening

Remember not to include personal info such as phone numbers.

URL

Console

https://halfstackconf.com/

Include email address

moo@cow.com

Send diagnostic data

Include this screenshot

Your feedback will be used to improve Microsoft's products and services. By including your email address, you agree that Microsoft can email you about your feedback. Microsoft Privacy Statement

Send

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le-day UI-centric JS



CHRIS HEILMANN

@EDGEDEVTOOLS

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