

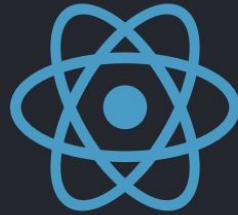
Introducción al frontend moderno con React

¿Qué es React?

¿Que han escuchado de el?

¿Qué es React?

Es una librería de JavaScript de código abierto, creada y mantenida por Facebook que nos permite crear interfaces de usuario y aplicaciones en la web y móvil usando programación reactiva y funcional.



React

The library for web and native user interfaces



Stays Experiences Online

Where
Search destinations

Check in
Add dates

Check out
Add dates

Tropical Design Tiny homes Rooms New Amazing pools Cabins

Guest favorite

All issues + Filter

Triage 0 + Filter

LIN-926 Hyperlink injections + Performance

LIN-926 Hyperlink injections + Performance

LIN-944 Update prosemirror packages + Editor

LIN-944 Update prosemirror packages + Editor

LIN-988 Hidden secrets + Editor

UTH-001 Hello strange + Editor

Donald Trump ...

Feed 142

Explore

Photos

f ...

Oscar RH

Friends

Saved

Memories

Groups

Video

See more

Your shortcuts

Club de Algoritmia ESCOM

Projecto Nutria ...

Events

Browse Channels

Members

PROYECTO NUTRIA

Welcome

Announcements

new-members

MAIN

general

Experiences

Create story

What's on your mind, ...

Live video

Abigail Nicolas ...

Links

github.com/Curies-Community/IntroReact2024



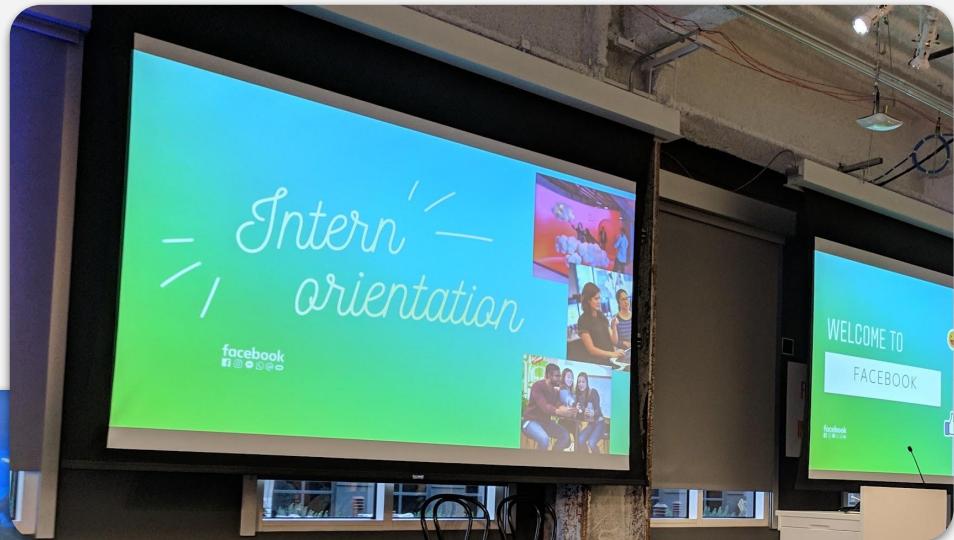
About me

L4 Software Engineer, Billing Team. Pinterest



FACEBOOK

Software Engineer Intern, Facebook



Nonprofit Manager

Home

Supporters 115 >

Insights

Giving campaigns

+ Create campaign

Settings

Fundraising

Help

More tools

Thanking

Thank people who create fundraisers
Automatically post on every fundraiser people create for your organization.

Your thank you post
Thank you so much for creating a fundraiser. Your support will help spread the word, you can invite friends to your fundraiser or...

Thank people who created birthday fundraisers
If someone creates a birthday fundraiser, you can automatically post on their behalf instead. If both settings are enabled, only this post will appear on birthday...

Your thank you post
Thank you so much for creating a fundraiser, we hope you make a difference. If you'd like to spread the word, you can...

The content of your post must follow our Community Standards.

Save **Cancel**



Chats

confirmada

Search Messages for "confirmada"

MESSAGES

Administración algoritmiaESCOM Enero 2020 Confirmada la presentación de los Clubs Académicos... · Wed

BUSINESSES

As Branquelas 2 Confirmada

Grupo Atração Confirmada

Top Videos from Watch

- #CARAVANAS #GTA5MODS Auzy
- reaccionando a la nueva temporada de fall guys RoblesTUTU
- QUE DIOS LOS BENDIGA POR SU APOYO Moya FF
- Genesis TP | Rankando en Gran Maestro: 3 Genesis Gaming awm
- SOLOS MANANEROS MoreTV
- COMPADRES quejiquequi
- PUROS CLIPSITOS INSANOS EN BR Carlitos...
- THINND | Season 6 Warzone LIVE stream Thind...
- clases de como fallar last hits y culpar el ping Timado

Up Next

- KOF2002 LIVE YZKOF RETAS E... KING KOF Arcade
- BETA COLD WAR Kano Gaming
- El mejor YOUTUBER de... Darielu
- ES EPICO Agustin Unaplay
- Playing Hide and Seek in Among Us! Gamology - Gamers
- Aprendiendo LOL!

Comments See All



L4 Software Engineer, Admin Money Team. Kueski

Movimientos

Compras

Total de las compras a pagar: ⓘ **\$858.00**
Vence el 31 de marzo 2022

Activas Finalizadas

Kueski Pay Shop →
Pagar inmediatamente \$858.00
Pagado: \$0.00 de \$1,258.00 2 de 3

Movimientos ⓘ

Tarjeta de débito

Pago del periodo \$858.00

Saldo total de la cuenta \$1,258.00

Otra cantidad \$

Tarjeta seleccionada

Agregar tarjeta de débito >

Al realizar tu pago con la referencia única estarás abonando al total de tu saldo del período y aceptando los siguientes [términos y condiciones](#).

Continuar

Tarjeta seleccionada

Tarjetas de débito

... 6007 10/2025	<input type="radio"/>
... 0439 10/2028	<input checked="" type="radio"/>
... 6007 10/2026	<input type="radio"/>
... 2222 10/2028	<input type="radio"/>

+ Añadir tarjeta

Para eliminar una tarjeta desliza a la izquierda ⌛



Question: What are the movies with the actor Brad Pitt?

```
SELECT m.title FROM Movie m
    JOIN Starring s ON s.movieId
= m.id
    JOIN Actor a ON a.actorId
= s.actorId
    JOIN Person p ON p.id
= a.actorId
WHERE p.FirstName = "Brad"
AND p.LastName = "Pitt"
```





COMPILANDO CONOCIMIENTO

Compilar es Compartir

Biblioteca: Libros para ti

Reference

¿Qué es esto? / ¿Quién somos?

Github y Código Fuente

Posts: Cálculo Vectorial

Posts: Estructuras de Datos

Posts: Álgebra Lineal

Posts: Ecuaciones Diferenciales

Posts: Cálculo

Posts: Java y POO

Posts: Lenguaje C

Posts: Electrónica Digital

Posts: Electrónica Analógica

Posts: Teoría Computacional

Posts: Matemáticas Discretas

LIBRO ANÁLISIS COMPLEJO

Números complejos, conjugados, módulo, aritmética, forma de Euler, forma Polar, de Euler. Raíces, Funciones Complejas, Derivación, Integración, Series Compleja, Residuos, Serie de Fourier, Transformada de Fourier.

LIBRO PROBABILIDAD

Teorema de Bayes, combinatoria, variables aleatorias, distribuciones famosas, teorema central del límite y estimadores puntuales.

$$P(A \mid B) := \frac{P(A \cap B)}{P(B)} = \frac{|A \cap B|}{|B|}$$

$$f_X(x) = \frac{1}{\sigma\sqrt{2\pi}} e^{-\frac{1}{2}\left(\frac{x-\mu}{\sigma}\right)^2}$$

LIBRO ALGEBRA LINEAL

Matrices, espacios vectoriales, subespacios, transformaciones lineales, rango, encaje, Gauss-Jordan y los determinantes.

LIBRO TEORÍA DE NÚMEROS

Divisibilidad, GCD, LCM, Phi de Euler, primos, sus propiedades y congruencias.

$$\phi(n) = n \prod_{p \mid n} \left(1 - \frac{1}{p}\right)$$

$$\begin{aligned} p &\mid n^p - n \\ a^{p-1} &\equiv 1 \pmod{p} \end{aligned}$$

LIBRO MATEMÁTICAS DISCRETAS

Proposiciones, cuantificadores, tablas de verdad, inferencias lógicas, conjuntos, cardinalidad, relaciones, funciones.

Modus Ponens (PP)

$$\begin{array}{c} p \rightarrow q \\ p \\ \hline \therefore q \end{array}$$

Modus Tollens (TT)

$$\begin{array}{c} p \rightarrow q \\ \neg q \\ \hline \therefore \neg p \end{array}$$

$$(a, b) := \{\{a\}, \{a, b\}\}$$

SoyOscarRH.github.io

**¿Por qué quieres
aprenderlo
(frontend/react)?**

Una tecnología que **abre**
muchas puertas

Ofertas de trabajo **bien**
pagadas





Airbnb



Uber



Facebook



Netflix



Instagram



Pinterest



medium.com



Twitter



reddit

**React fully
embraces
JavaScript**

React Native

Use the best from every platform

People love web and native apps for different reasons. React lets you build both web apps and native apps using the same skills. It leans upon each platform's unique strengths to let your interfaces feel just right on every platform.

Stay true to the web

People expect web app pages to load fast. On the server, React lets you start streaming HTML while you're still fetching data, progressively filling in the remaining content before any JavaScript code loads. On the client, React can use standard web APIs to keep your UI responsive even in the middle of rendering.



Go truly native

People expect native apps to look and feel like their platform. [React Native](#) and [Expo](#) let you build apps in React for Android, iOS, and more. They look and feel native because their UIs are truly native. It's not a web view—your React components render real Android and iOS views provided by the platform.



iOS Apps by Microsoft that use React Native



[Bing Search](#)



[Microsoft OneDrive](#)



[Microsoft Outlook](#)



[Xbox](#)



[Microsoft Word](#)



[Microsoft OneNote](#)



[Microsoft Excel](#)



[Mixer - Interactive Streaming](#)



[Microsoft SharePoint](#)



[Microsoft Teams](#)



[Cortana](#)



[Microsoft Edge](#)



[Office Delve - for Office 365](#)



[Face Swap - Automatic and Funny](#)



[Microsoft Visio Viewer](#)



[Dynamics 365 for phones](#)



[PowerApps](#)



[MS Executive Industry Summit](#)

Tanay Pratap @tanaypratap · Oct 5

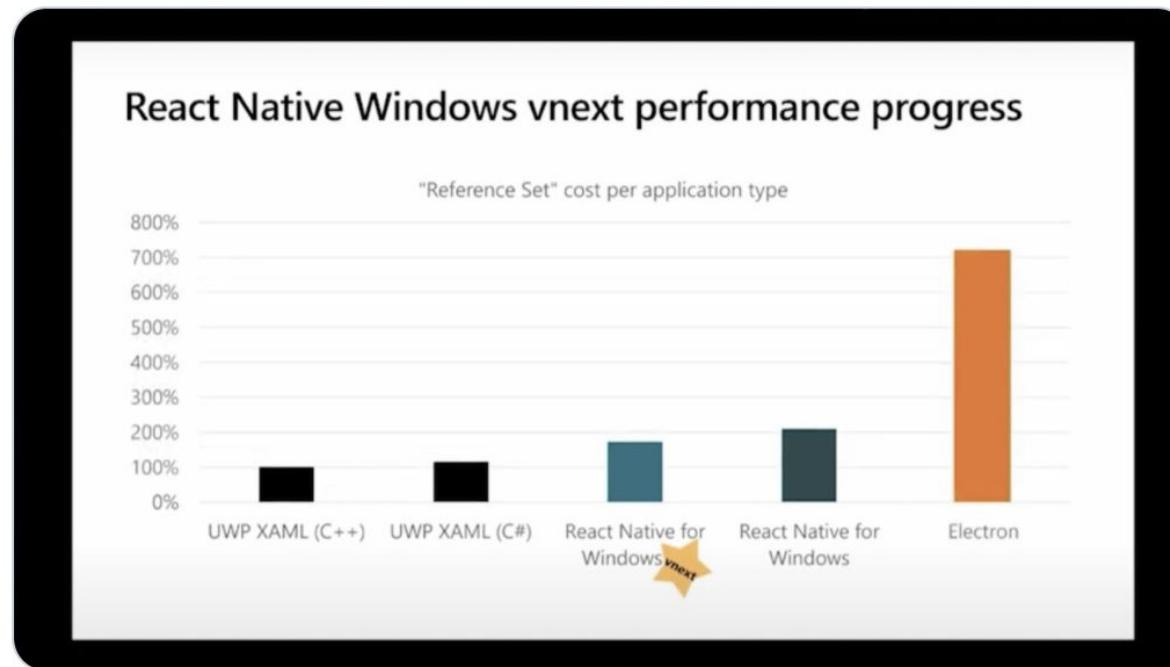


Electron vs C++ vs RN

(Performance Comparison for desktop apps)

I couldn't let this go, and I was digging into perf numbers.

Turns out Electron is 7 times perf hogging compared to a C++ desktop app. RN is just 1.5 times on the same scale.



React is king
React will be king



@angular/core



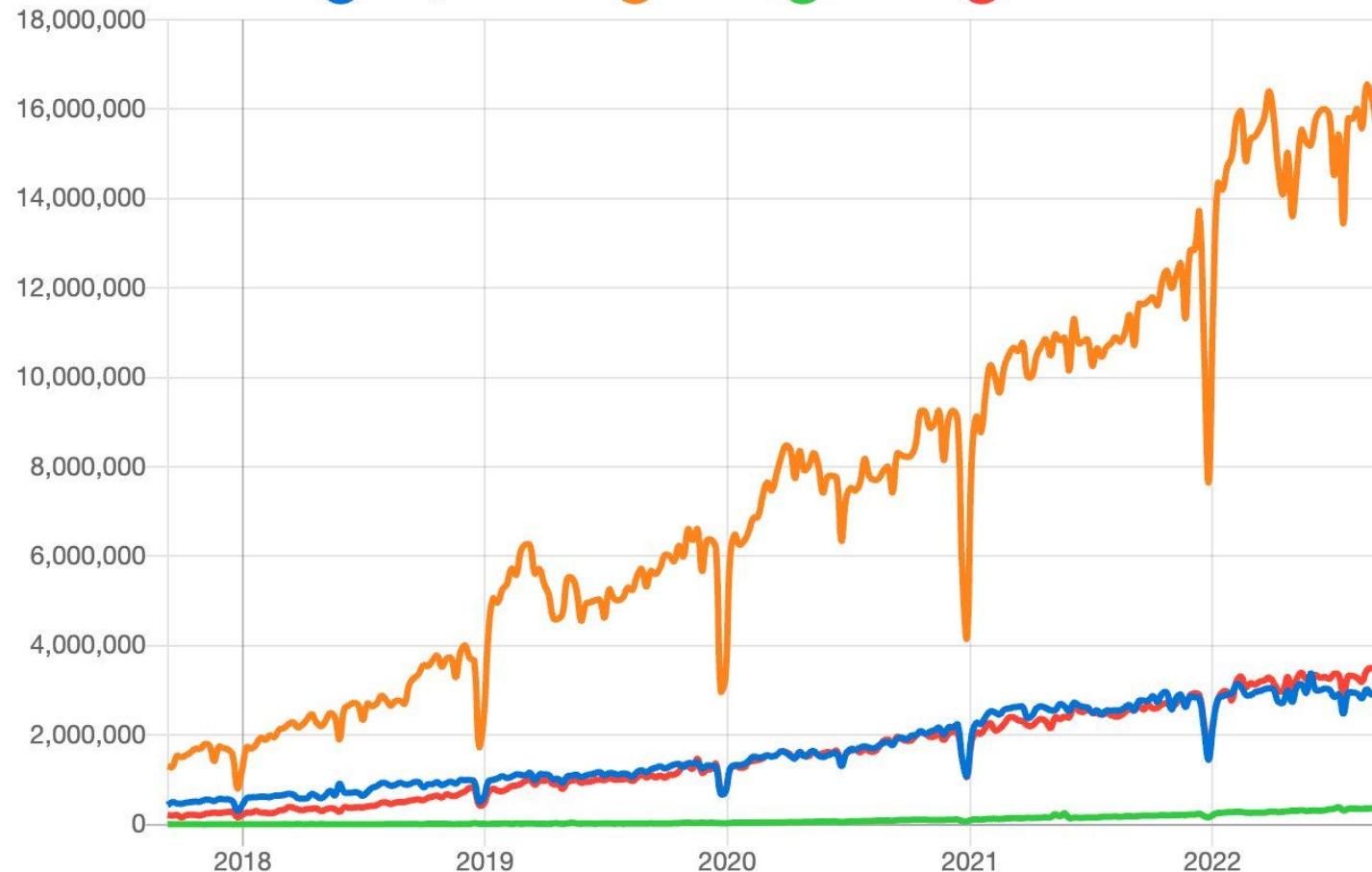
react



svelte



vue



Fullstack dev

```
conf/[slug].js
```

```
import { db } from './database.js';
import { Suspense } from 'react';

async function ConferencePage({ slug }) {
  const conf = await db.Confs.find({ slug });
  return (
    <ConferenceLayout conf={conf}>
      <Suspense fallback={<TalksLoading />}>
        <Talks confId={conf.id} />
      </Suspense>
    </ConferenceLayout>
  );
}

async function Talks({ confId }) {
  const talks = await db.Talks.findAll({ confId });
  const videos = talks.map(talk => talk.video);
  return <SearchableVideoList videos={videos} />;
}
```

The screenshot shows a web browser window with the URL example.com/conf/react-conf-2021. The page features a dark header with a blue React logo and the text "React Conf 2021". Below the header is a search bar with the placeholder "Search". A section titled "19 Videos" displays three video thumbnails. Each thumbnail includes a small React logo, the video title, and the speaker's name. To the right of each thumbnail is a light gray heart icon.

Video Title	Speaker	Action
React 18 Keynote	The React Team	Heart
React 18 for App Developers	Shruti Kapoor	Heart
Streaming Server Rendering with Suspense		Heart

React is also an architecture. Frameworks that implement it let you fetch data in asynchronous components that run on the server or even during the build. Read data from a file or a database, and pass it down to your interactive components.

Move fast

**React ecosystem
and community**

You're not alone. Two million developers from all over the world visit the React docs every month. React is something that people and teams can agree on.







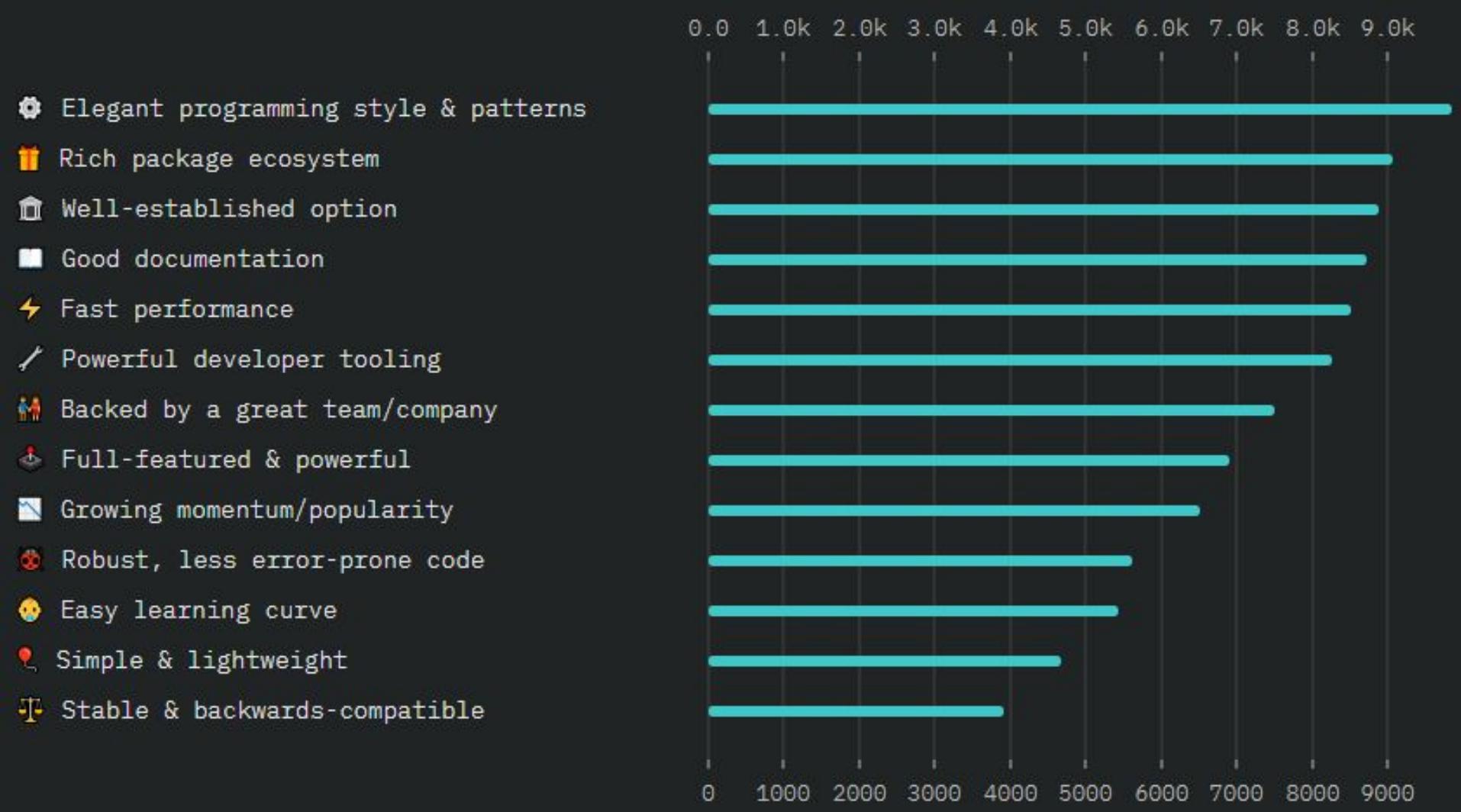
S



R



React Ecosystem in 2024



Web is awesome

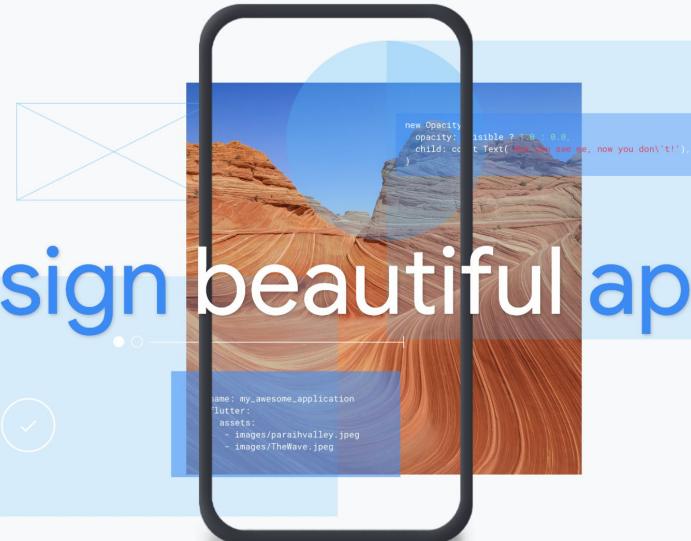
React mindset





Flutter

Design beautiful apps





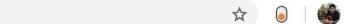
Docs

Showcase

Community



Get started



Thanks for attending Flutter Interact 2019—you can still watch the session recordings!

Flutter 1.12 is live! Check out the latest announcement and see what's new on the site.

Get started

Samples & tutorials

Development

User interface

Introduction to widgets

Building layouts

Splash screens

Adding interactivity

Assets and images

Navigation & routing

Animations

Advanced UI

Widget catalog

Data & backend

Accessibility & internationalization

Platform integration

Packages & plugins

Add Flutter to existing app

Tools & techniques

AndroidX migration

Testing & debugging

Introduction to widgets



Docs > Development > UI > Introduction to widgets

Flutter widgets are built using a modern framework that takes inspiration from [React](#). The central idea is that you build your UI out of widgets. Widgets describe what their view should look like given their current configuration and state. When a widget's state changes, the widget rebuilds its description, which the framework diffs against the previous description in order to determine the minimal changes needed in the underlying render tree to transition from one state to the next.

Note: If you would like to become better acquainted with Flutter by diving into some code, check out the [basic layout codelab](#), [building layouts](#), and [adding interactivity](#) to your Flutter app.

Contents

[Hello world](#)

[Basic widgets](#)

[Using Material Components](#)

[Handling gestures](#)

[Changing widgets in response to input](#)

[Bringing it all together](#)

[Responding to widget lifecycle events](#)

[Keys](#)

[Global Keys](#)

Hello world

The minimal Flutter app simply calls the `runApp()` function with a widget:

```
import 'package:flutter/material.dart';

void main() {
  runApp(
    Center(
      child: Text(
        "Hello World",
        style: TextStyle(
          color: Colors.deepPurple,
          fontSize: 24.0,
        ),
      ),
    ),
  );
}
```



Docs

Showcase

Community



Get started



Thanks for attending Flutter Interact 2019—you can still watch the session recordings!

Flutter 1.12 is live! Check out the latest announcement and see what's new on the site.

Get started

- 1. Install
- 2. Set up an editor
- 3. Test drive
- 4. Write your first app
- 5. Learn more

From another platform?

- Flutter for Android devs
- Flutter for iOS devs
- Flutter for React Native devs
- Flutter for web devs
- Flutter for Xamarin.Forms devs

Introduction to declarative UI

Dart language overview ↗

Building a web app

Samples & tutorials

Development

- User interface
- Data & backend
- Accessibility & internationalization
- Platform integration

Introduction to declarative UI



Contents

[Why a declarative UI?](#)

[How to change UI in a declarative framework](#)

Why a declarative UI?

Frameworks from Win32 to web to Android and iOS typically use an imperative style of UI programming. This might be the style you're most familiar with—where you manually construct a full-functioned UI entity, such as a `UIView` or equivalent, and later mutate it using methods and setters when the UI changes.

In order to lighten the burden on developers from having to program how to transition between various UI states, Flutter, by contrast, lets the developer describe the current UI state and leaves the transitioning to the framework.

This, however, requires a slight shift in thinking for how to manipulate UI.

How to change UI in a declarative framework

Consider a simplified example below:



Functional Programming



First Class Functions



Lazy Evaluation



Statelessness

Declarative Programming



```
const someNumbers = [1, 232, 34, 2323, 12, 23232, 222]

// Imperative
const result1 = []
for (let i = 0; i < someNumbers.length; i++) {
  if (someNumbers[i] % 2 == 0) {
    result1.push(someNumbers[i])
  }
}

// Declarative
const result2 = someNumbers.filter((number) => number % 2 == 0)
```

Temario

Temario

- React y su filosofía (3 clases)
 - JSX
 - Componentes
 - functions vs classes
 - Virtual DOM
 - Props
 - State
 - Effects
 - Hooks
 - Reducer
 - Context
 - Refs
 - Memo, Callback

Temario

- 2010s React (1 clase)
 - React Router
 - Redux
 - GraphQL
 - React Native
- Other Worlds (1 clase)
 - Svelte
 - Solid
- CSS y React (1 clase)
 - CSS Modules
 - Styled Components
 - Tailwind
 - Framer motion

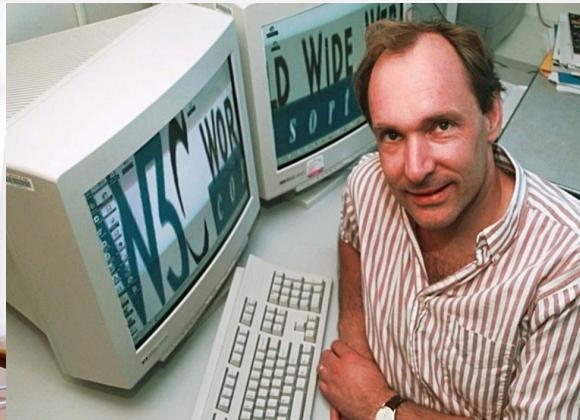
Temario

- **2020s React y proyecto final (3 clases)**
 - SSR
 - Suspense
 - Next
 - Server Components
 - Server Actions
 - Remix

Recap



html



World Wide Web

The WorldWideWeb (W3) is a wide-area [hypermedia](#) information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an [executive summary](#) of the project, [Mailing lists](#) , [Policy](#) , November's [W3 news](#) , [Frequently Asked Questions](#) .

What's out there?

Pointers to the world's online information, [subjects](#) , [W3 servers](#), etc.

Help

on the browser you are using

Software Products

A list of W3 project components and their current state. (e.g. [Line Mode](#) ,[X11 Viola](#) ,[NeXTStep](#) ,[Servers](#) ,[Tools](#) ,[Mail robot](#) ,[Library](#))

Technical

Details of protocols, formats, program internals etc

Bibliography

Paper documentation on W3 and references.

People

A list of some people involved in the project.

History

A summary of the history of the project.

How can I help ?

If you would like to support the web..

Getting code

Getting the code by [anonymous FTP](#) , etc.

CSS

declarative btw

css

```
html {  
    margin-left: 2cm;  
    font-family: "Times", serif;  
}  
  
h1 {  
    font-size: 24px;  
}
```

```
<html>  
  <p></p>  
</html>
```

HTML

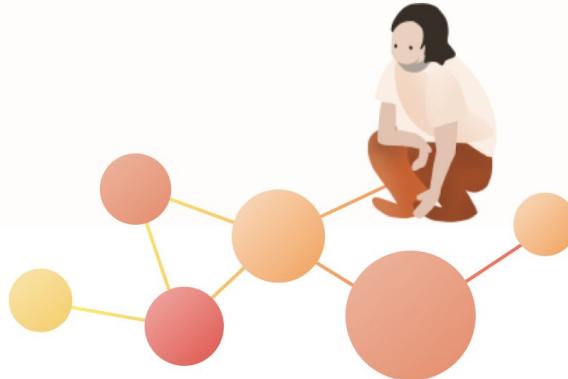
```
#titulo  
{  
  color:  
}
```

CSS

Connecting with ATL

By building relationships with local nonprofits, we are redefining social good for students who want to make a meaningful impact with their technical background.

[More about our mission](#)



“

Bits of Good has been my most meaningful involvement in college. It's a community filled with **inspiring people** where everyone is so passionate about what they're doing. Through Bits of Good I've made so many new friends





"Tailwind CSS is the only framework that I've seen scale on large teams. It's easy to customize, adapts to any design, and the build size is tiny."

Sarah Dayan
Staff Engineer, Algolia

```
1  <figure class="md:flex bg-slate-100 rounded-xl p-8 md:p-0 dar
2  <img class="w-24 h-24 md:w-48 md:h-auto md:rounded-none rou
3  <div class="pt-6 md:p-8 text-center md:space-y-4">
4    <blockquote>
      <p class="text-lg font-medium">
        "Tailwind CSS is the only framework that I've seen sc
        on large teams. It's easy to customize, adapts to any
        and the build size is tiny."
      </p>
    </blockquote>
    <figcaption class="font-medium">
      <div class="text-sky-500 dark:text-sky-400">
        Sarah Dayan
      </div>
      <div class="text-slate-700 dark:text-slate-500">
        Staff Engineer, Algolia
      </div>
    </figcaption>
  </div>
</figure>
21
```

JS

**“Simple, dynamic, and
accessible to non-developers.”**

Easy to grasp syntactically;
dynamic, to reduce verbosity
and speed up development; and
powerful.

10 días

```
<html>  
  <p></p>  
</html>
```

HTML

```
#titulo  
  {  
    color: red;  
  }
```

CSS

```
function sumar(a, b){  
  return a + b;  
}  
  
function restar(a, b){  
  return a - b;  
}
```

JS

Share

var

const

let

‘Down on the sea’
“Lie on the ocean”
'Float on the ocean'

destructuring

null and
undefined

**functions,
arrows, and
closures**

arrays

maps

filters



bottom up

vs

top down

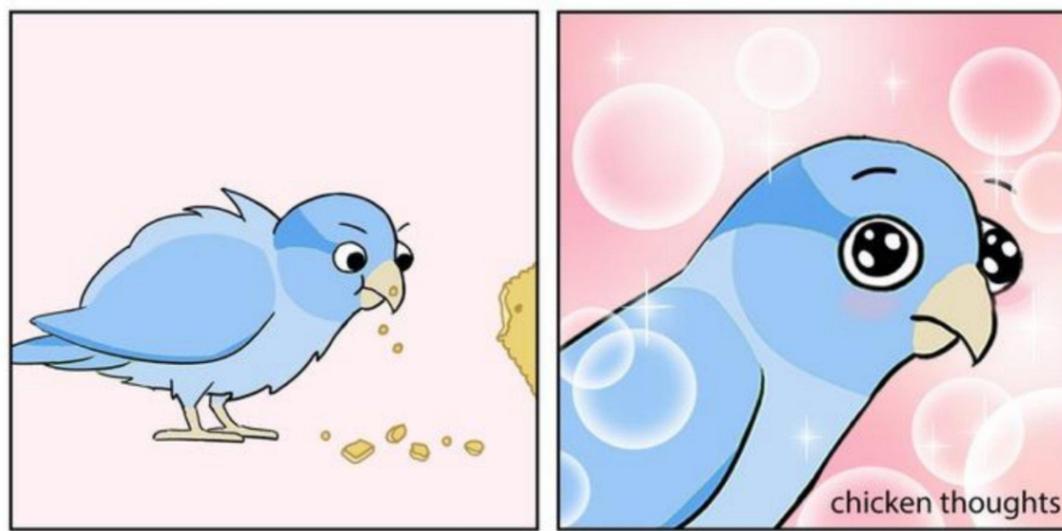
Hello World JavaScript

```
const App = document.createElement("div")
App.textContent = "Hello World"
```

```
const DOM_ID = document.getElementById("rootID")
DOM_ID.appendChild(App)
```

<https://gist.githubusercontent.com/gaearon/0275b1e1518599bbeafcde4722e79ed1/raw/db72dcbf3384ee1708c4a07d3be79860db04bff0/example.html>

JSX



babel

JSX

```
const ui1 = <div id="root">Hello world</div>
const ui2 = React.createElement("div", { id: "root" }, "Hello world")
```

JSX

```
const ui1 = <button onClick={() => {}}>click me</button>
const ui2 = React.createElement("button", { onClick: () => {} }, "click me")
```

Rules of JSX

Return a **single**
root element

Close all the tags

camelCase ~~all~~
most of the things!

transform.tools/html-to-jsx

JavaScript in JSX **with** **Curly Braces**

Style prop

Components

reusable UI elements for your app

Components

```
function Profile() {  
  return (  
      
  )  
}
```

Components

```
function Profile() {
  return (
    
  );
}

function Gallery() {
  return (
    <section>
      <h1>Amazing scientists</h1>
      <Profile />
      <Profile />
      <Profile />
    </section>
  );
}
```

```
<div>  
  <p></p>  
  <form>  
    </form>  
</div>
```

HTML

```
isLoggedIn() {...}  
onClick() {...}  
onSubmit() {...}
```

JavaScript

```
Sidebar() {  
  if (isLoggedIn()) {  
    <p>Welcome</p>  
  } else {  
    <Form />  
  }  
}
```

Sidebar.js React component

```
Form() {  
  onClick() {...}  
  onSubmit() {...}
```

```
<form onSubmit>  
  <input onClick />  
  <input onClick />  
</form>
```

```
}
```

Form.js React component

Components Props

event handlers

Functions that
return JSX

Tweets **Tweets & replies** **Media**

Pinned Tweet

Tyler McGinnis @tylermcginnis33 · 1 Mar 2016

Introducing React.js Program: A linear approach to learning the [@reactjs](#) ecosystem [reactjsprogram.com](#)

32 178 427 ...

You Retweeted

CSS-Tricks @Real_CSS_Tricks · Jan 13

* A collection of 'React "Aha" Moments' ::

React "Aha" Moments

A collection of "Aha" moments while learning React.

[tylermcginnis.com](#)

1 32 95 ...

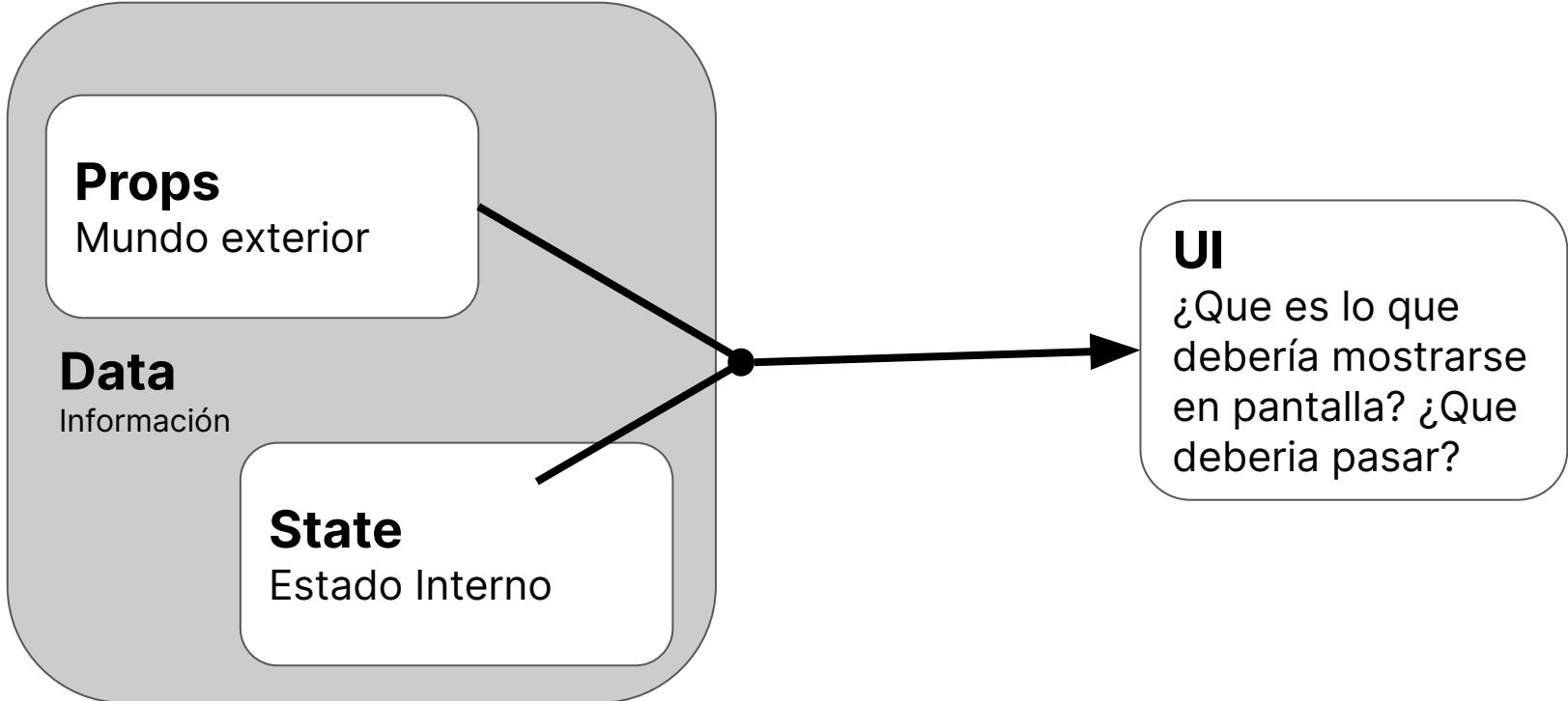
Tyler McGinnis @tylermcginnis33 · Jan 13

Search...

Only show products in stock

Name	Price
Sporting Goods	
Football	\$49.99
Baseball	\$9.99
Basketball	\$29.99
Electronics	
iPod Touch	\$99.99
iPhone 5	\$399.99
Nexus 7	\$199.99





Conditional Rendering

Children & Composition

Rendering **Arrays**

react.dev



Kent C. Dodds 

105.3K Tweets



twitter.com/kentcdodds



Following

Kent C. Dodds 

@kentcdodds

Improving the world w/ quality software · Husband, Father, Latter-day Saint, Teacher, OSS · [TestingJavaScript.com](#) · [EpicReact.Dev](#) · Be Kind



Pleasant Grove, UT  kentcdodds.com  Born 1988



Joined October 2011

654 Following 117K Followers