

Modern web with React

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Software

Agenda

- What is the modern web?
 - Ingredients of the modern web
 - Basics of React
 - Getting started
-
- Take-away: Your very own React web application!

What is the modern web?







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Thousands of stores. Millions of products.

Departments	Stores	Products
Apparel Bath/Beauty Computers Electronics	Flowers Food/Drink Music Video/DVD	Sports Authority Gap Eddie Bauer Macy's
Digital cameras Pokemon MP3 players DVD players		

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Business & Economy

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Computers & Internet

[Internet](#), [WWW](#), [Software](#), [Games](#)...

Education

[College and University](#), [K-12](#)...

Entertainment

[Cool Links](#), [Movies](#), [Humor](#), [Music](#)...

Government

[Elections](#), [Military](#), [Law](#), [Taxes](#)...

Health

[Medicine](#), [Diseases](#), [Drugs](#), [Fitness](#)...

News & Media

[Full Coverage](#), [Newspapers](#), [TV](#)...

Recreation & Sports

[Sports](#), [Travel](#), [Autos](#), [Outdoors](#)...

Reference

[Libraries](#), [Dictionaries](#), [Quotations](#)...

Regional

[Countries](#), [Regions](#), [US States](#)...

Science

[Animals](#), [Astronomy](#), [Engineering](#)...

Social Science

[Archaeology](#), [Economics](#), [Languages](#)...

Society & Culture

[People](#), [Environment](#), [Religion](#)...

In the News

- [Mich. girl, 6, shot by classmate](#)
- [Bush, Gore win in primaries](#)
- [Israel releases Nazi Eichmann's memoirs](#)

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Marketplace

- Free [56K Internet Access](#)
- [Y! Auctions](#) - [Peanuts](#), [Pokemon](#), [computers](#)
- [Yahoo! Bill Pay](#) - free 3-month trial

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- Play free [Fantasy Soccer](#)
- [Yahoo! Clubs](#) - create your own
- [Y! Greetings](#) - free greeting cards

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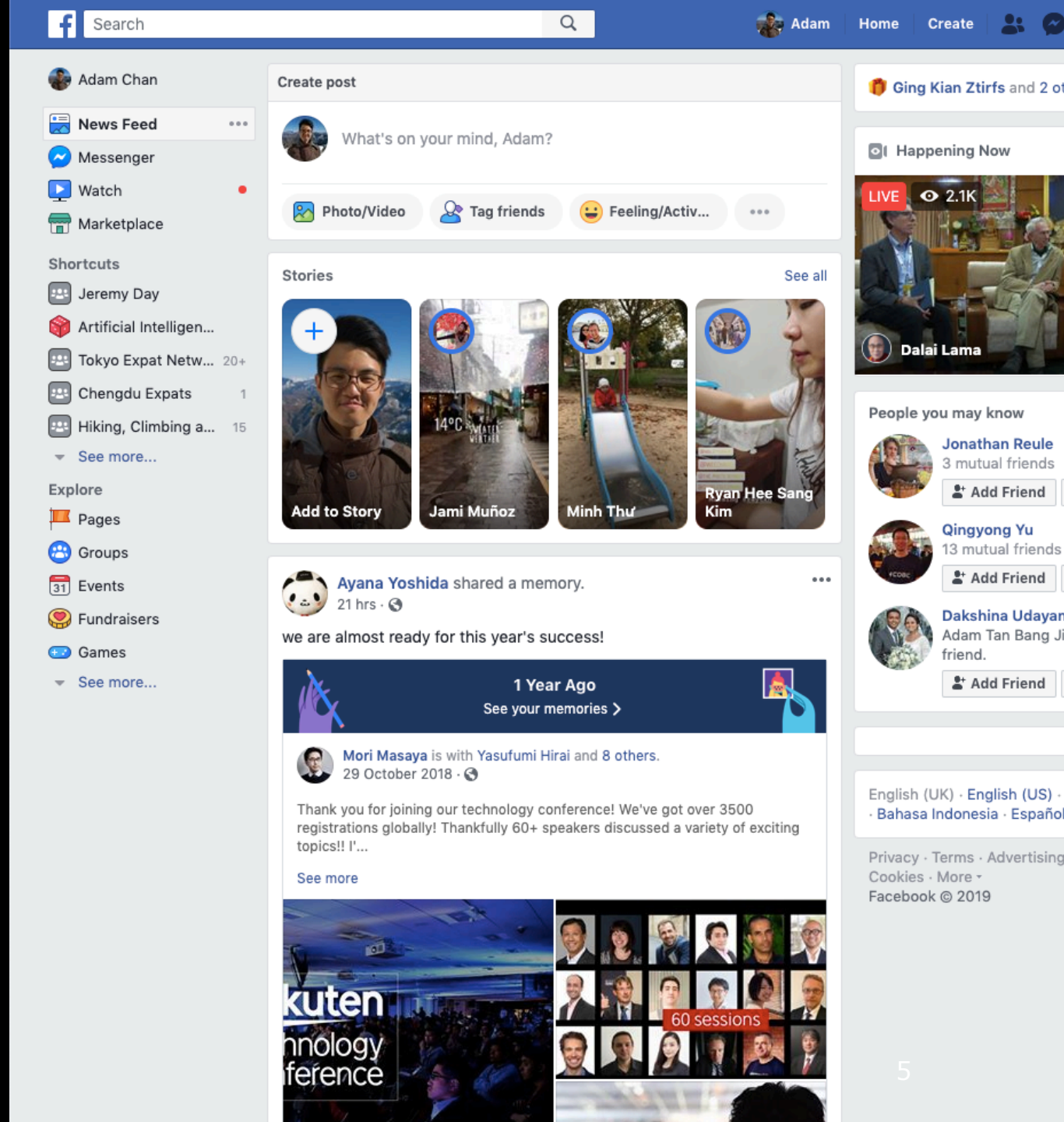
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Then (2000)

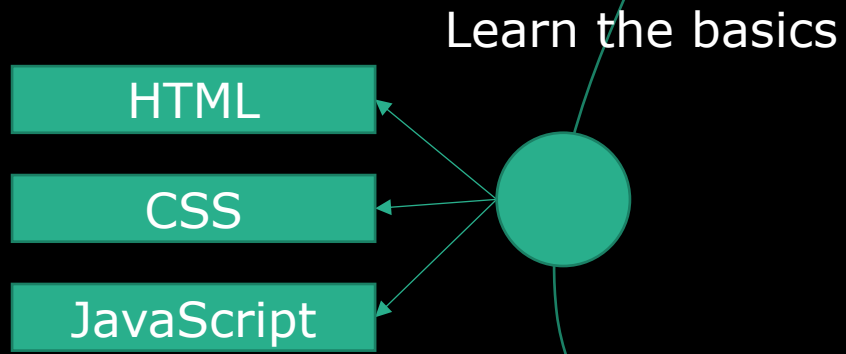
Today

- Dynamic
- Interactive
- Responsive



Ingredients of the modern web

Learning Path



Basics

HTML

- Structure
- Layout

CSS

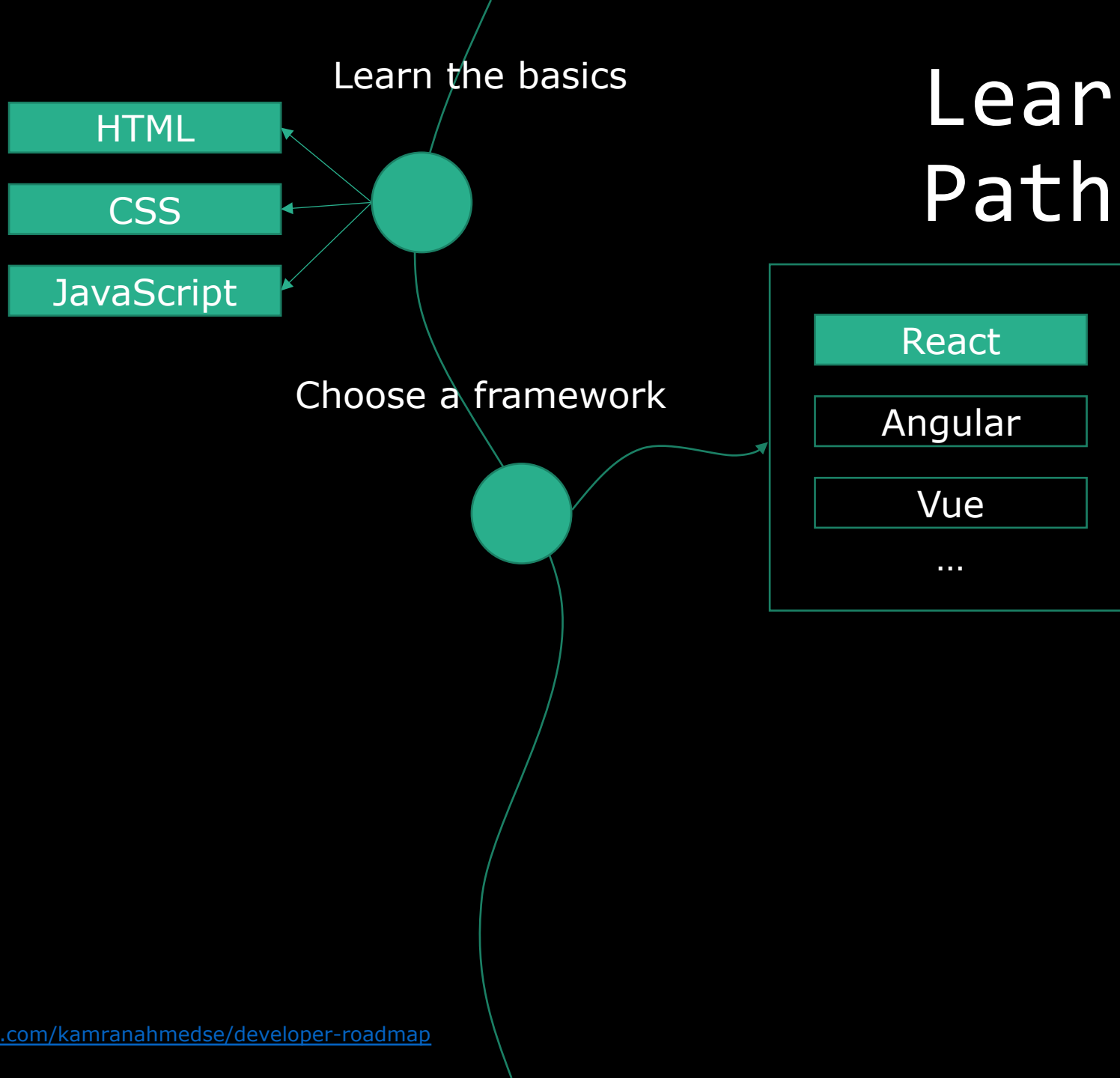
- Design

JavaScript

- Behaviour



Learning Path



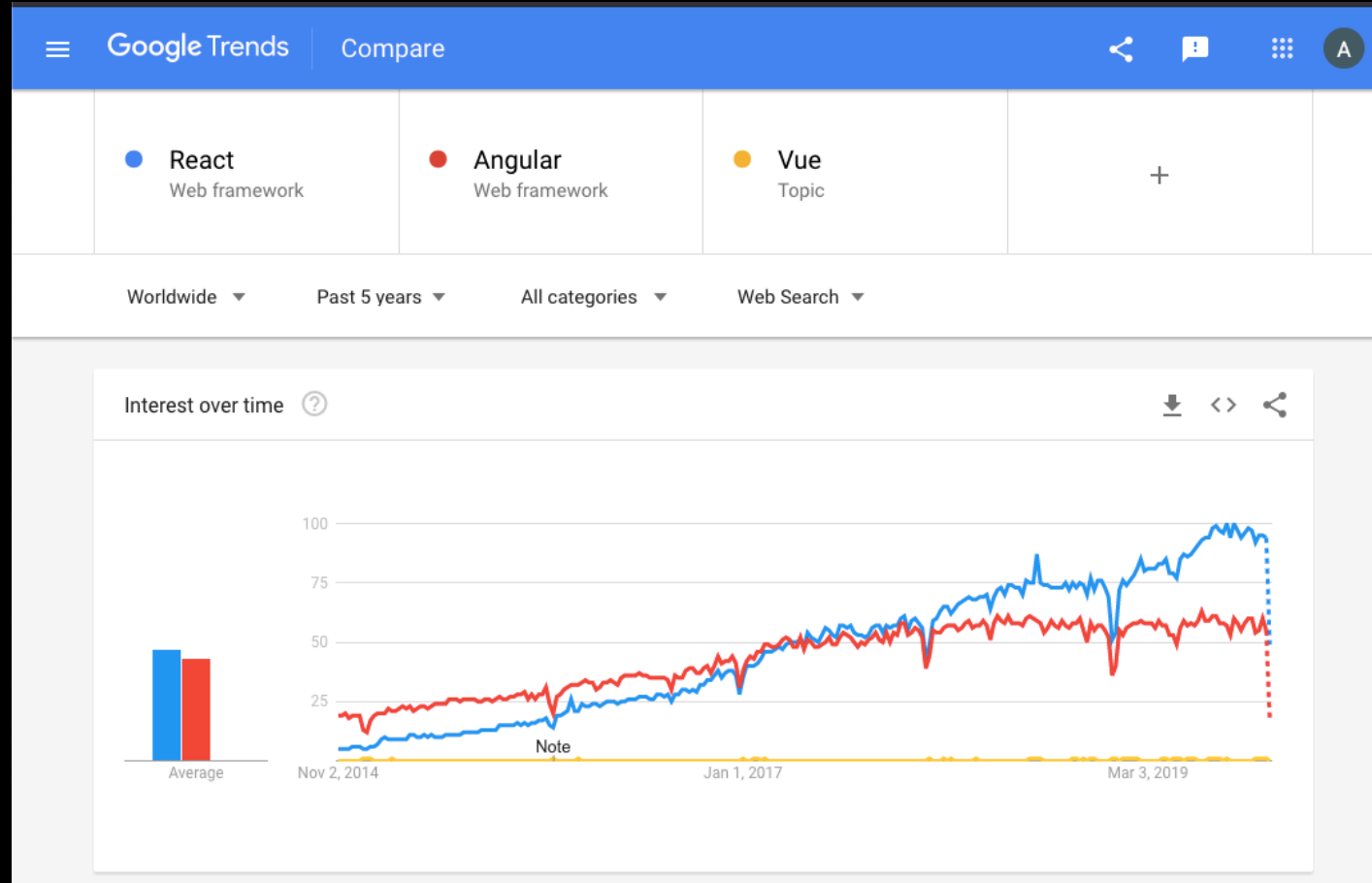
React framework

A JavaScript library for building interactive user interfaces

React framework

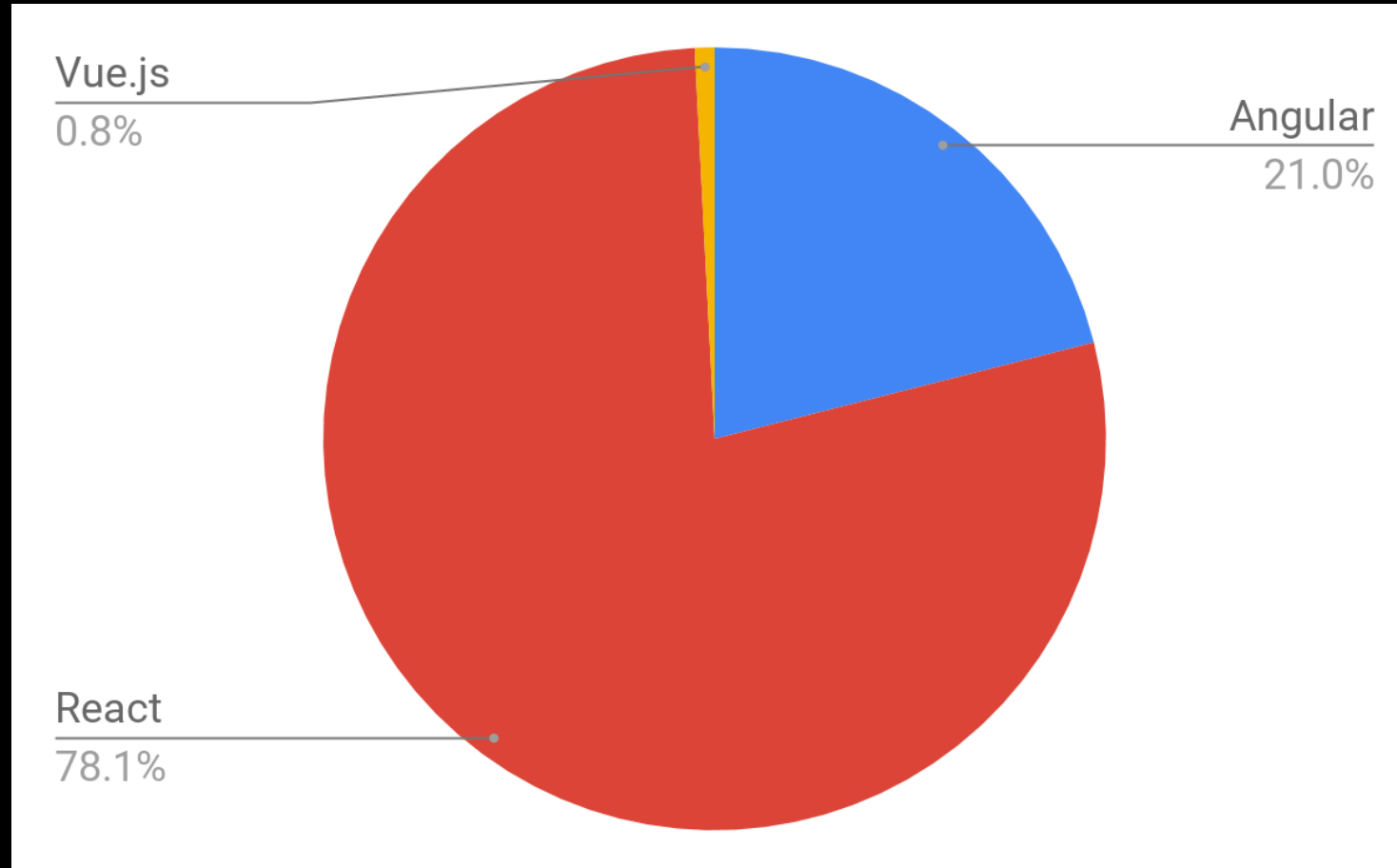
A JavaScript library for building interactive user interfaces

React framework

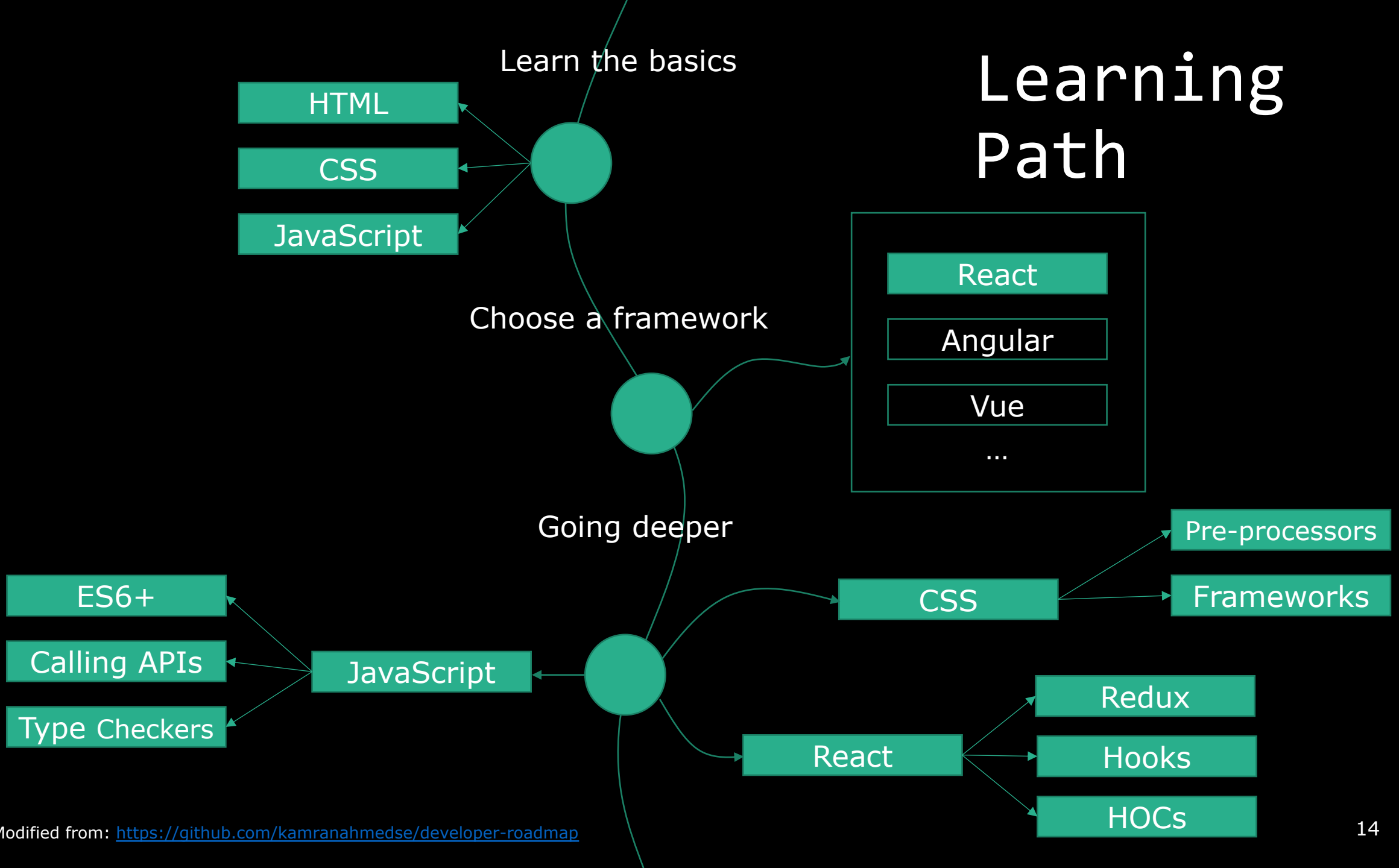


React framework

Open Job Positions



Learning Path



Basics of React

Basics of React

- Components
 - Props
 - State
- JSX

Components

- Building blocks
- Reusable

Components



Components

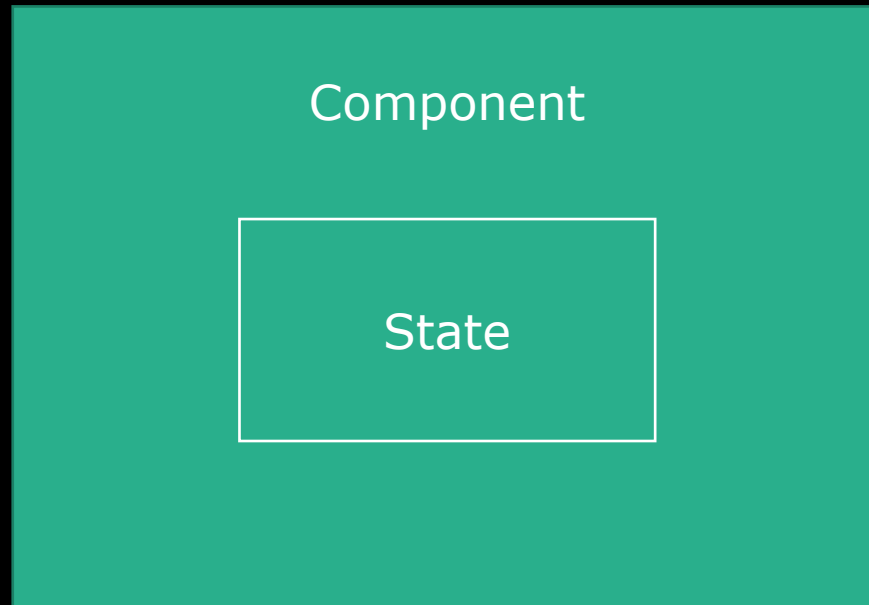
Props

- External inputs
- “Messages”

State

- Internal information store
- “Memory”

Components



UI

JSX

- HTML + JavaScript
- Structure + Behaviour
- Write and add HTML easily in React
- Just one file for HTML + JavaScript!

HTML

- HTML - **H**ypertext **M**arkup **L**anguage
- Structure content using tags

```
<h1>Hello, Stranger.</h1>
```

Opening Tag

Closing Tag

JavaScript

- JavaScript – Programming language

```
formatName(user)
```

JSX

- HTML + JavaScript
- JavaScript is placed in curly braces

```
<h1>Hello, {formatName(user)}!</h1>;
```


That's all you need to
know to start building!

Let's get started!

Setting up your environment

- Download
 - Atom (<https://atom.io>)
 - Node v13.0.1 (<https://nodejs.org>)
- Install

Setting up your environment 2

- Open
 - (mac) Terminal
 - (win) Command Line
- Change directory
 - `cd Desktop`
- Create a skeleton project
 - `npx create-next-app --registry=https://registry.npm.taobao.org`
 - Project name: tictactoe
 - `cd tictactoe`

Setting up your environment 3

- Open Atom

```
atom .
```

- Run project

```
npm run dev
```

Keep Learning

Thank You