D3: The Big Picture

INTRODUCING D3

Ben Sullins
DATA GEEK

@bensullins   www.bensullins.com

What You'll Learn

JavaScript Charting Libraries

D3 Definition

D3 History

D3 Examples

Where to Find More

JavaScript Charting Libraries

Data-Driven Documents (D3)

Extremely Popular

Open-Source

Widely Adopted

Low-Level

Web Compliant

JavaScript Based

Generates SVG

Open-Source

Lots of Examples

Google Charts

n3-Charts

Directive for AngularJS

Built on D3

Open-Source

Reusable

Pure JavaScript

Free for Non-Commercial Use

Fast and Easy

Beautiful Graphics

Highcharts

D3 Definition

Data-Driven Documents

JavaScript library for manipulating documents based on data.

D3 helps you bring data to life using HTML, SVG, and CSS.

D3's emphasis on web standards gives you the full capabilities of modern browsers without tying yourself to a proprietary framework.
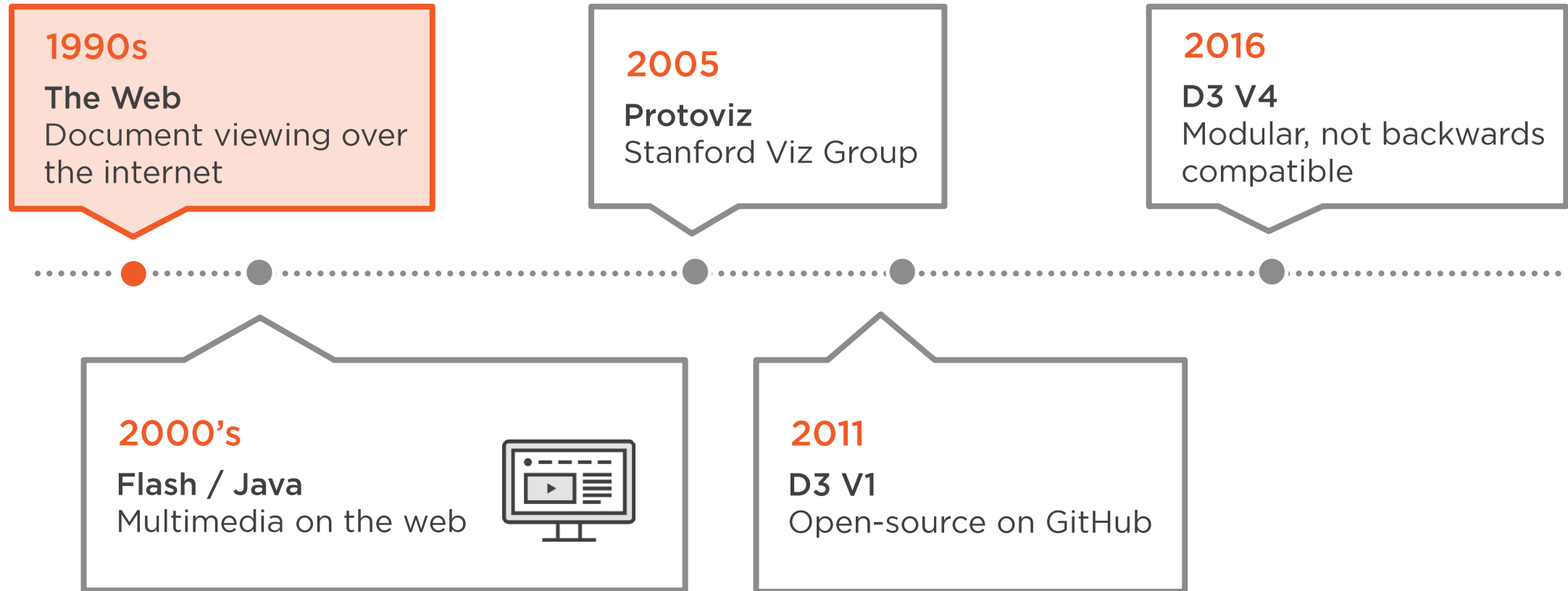
HTML = Structure

CSS = Style / Color

SVG = Art on Wall

D3 History

D3 History

1990s

The Web
Document viewing over the internet

2005

Protoviz
Stanford Viz Group

2016

D3 V4
Modular, not backwards compatible

2000's

Flash / Java
Multimedia on the web

2011

D3 V1
Open-source on GitHub

D3 Examples

Where to Find More

Where to Find More

Pluralsight Courses

- D3.js Fundamentals

- Real-Time Web Dashboards with Highcharts

Code School

- You Me and SVG

- JavaScript Road Trip

External

- bensullins.com/d3bigpicture-m1

- d3js.org