Top Javascript Libraries

Hi, Wynne Pirini here. I founded Wynne's Coding Pros to share everything I have learned about the *process* of learning to code.

I never started out as a coder. Originally I was a Chemical Engineer. Later, I became a project manager. And then entrepreneur.

After making 100's of websites, I decided I should learn to code also.

In this report – I give you my collection of top Javascript libraries.

Javascript libraries allow for easier and faster frontend development – and there's a library for just about every purpose.

Be sure to also visit Wynne's Coding Pros (wynnescodingpros.com) – where I use my combined experience as an engineer, project manager, and entrepreneur – to steer you in the right direction in your coding career.

Wynne Pirini

Introduction

This is a shortlist of some of the useful and popular Javascript libraries for speeding up frontend Javascript development.

D3.js

https://d3js.org/
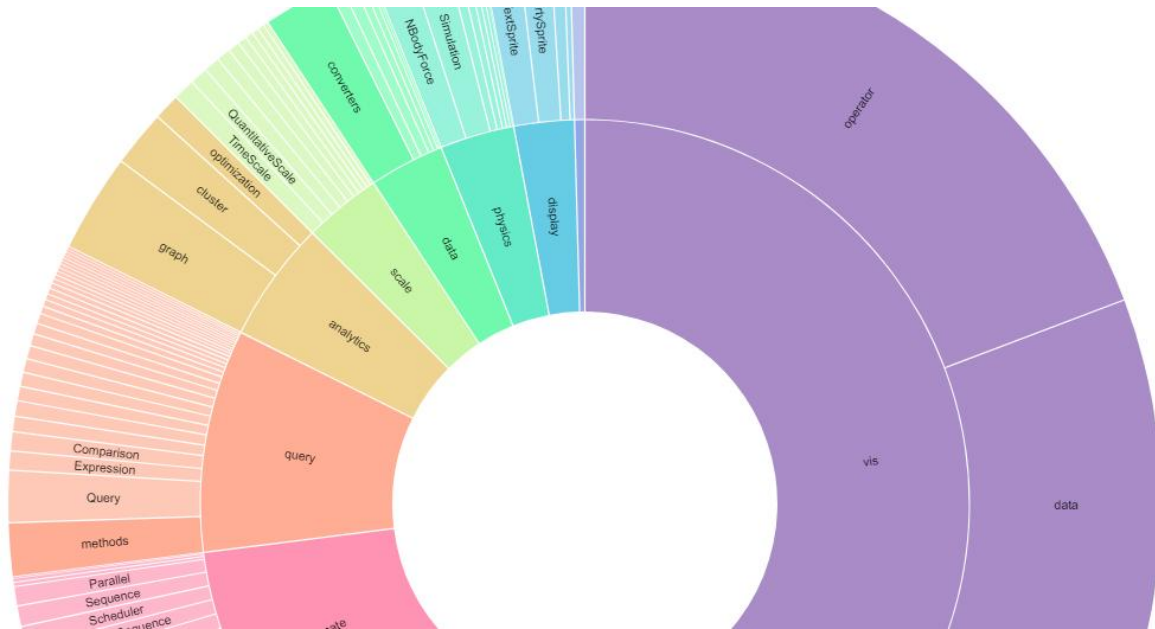
D3.js is a JavaScript library for visualizing data using web standards. D3 helps you bring data to life using SVG, Canvas and HTML. D3 combines powerful visualization and interaction techniques with a data-driven approach to DOM manipulation, giving you the full capabilities of modern browsers and the freedom to design the right visual interface for your data.
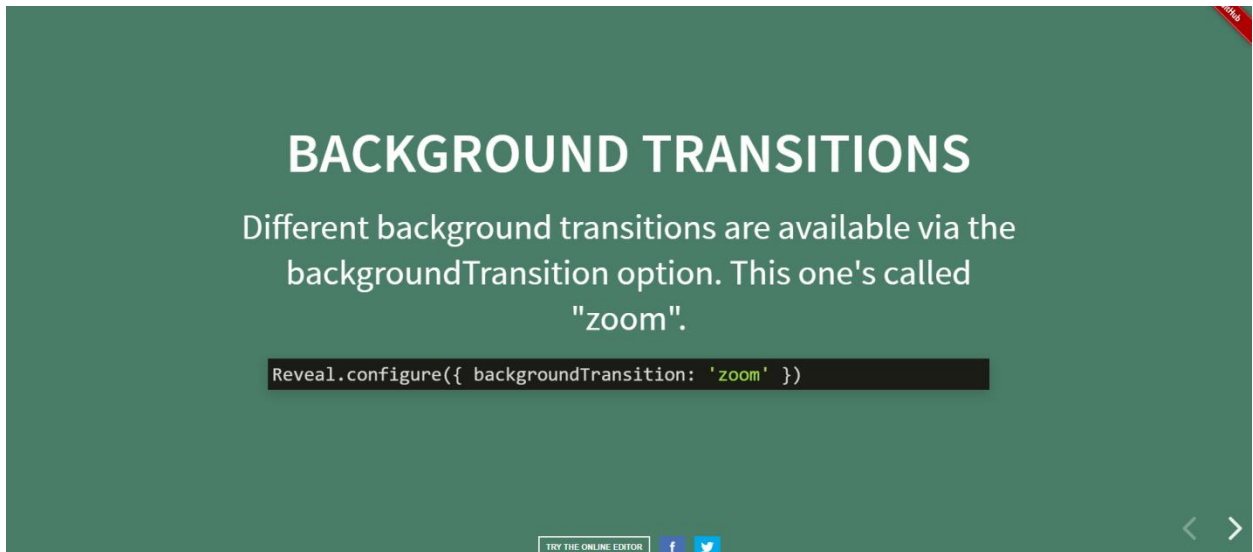
Three.js

https://threejs.org/

If you're interested in 3D design, Three.js is a fun JavaScript library to experiment with. It can help you create incredible projects and bring your designs to life.

Reveal.js

https://revealjs.com/

Reveal is a framework for easily creating beautiful presentations using HTML. Reveal comes with a broad range of features including nested slides, Markdown contents, PDF export, speaker notes and a JavaScript API. There's also a fully featured visual editor and platform for sharing reveal.js presentations at slides.com.
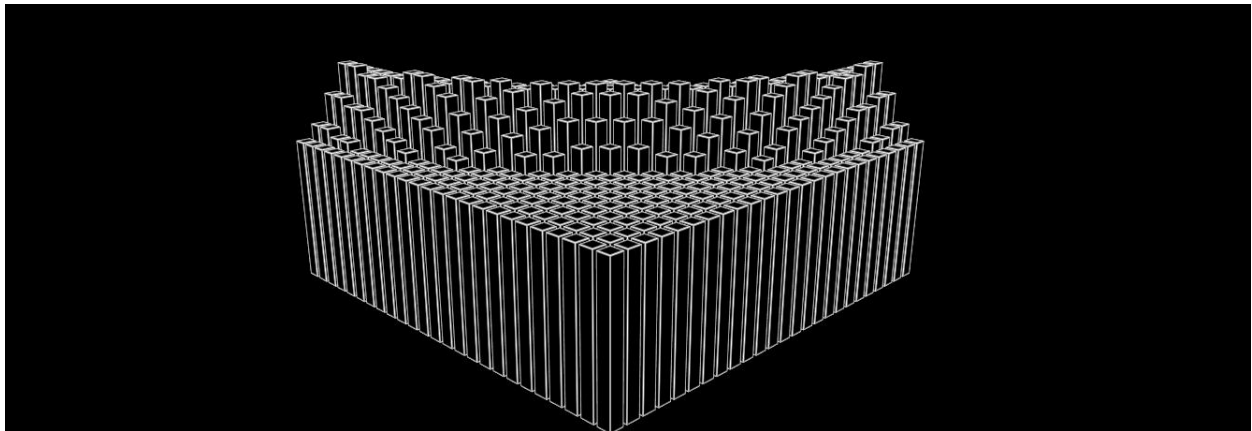
Chart.js

https://www.chartjs.org/
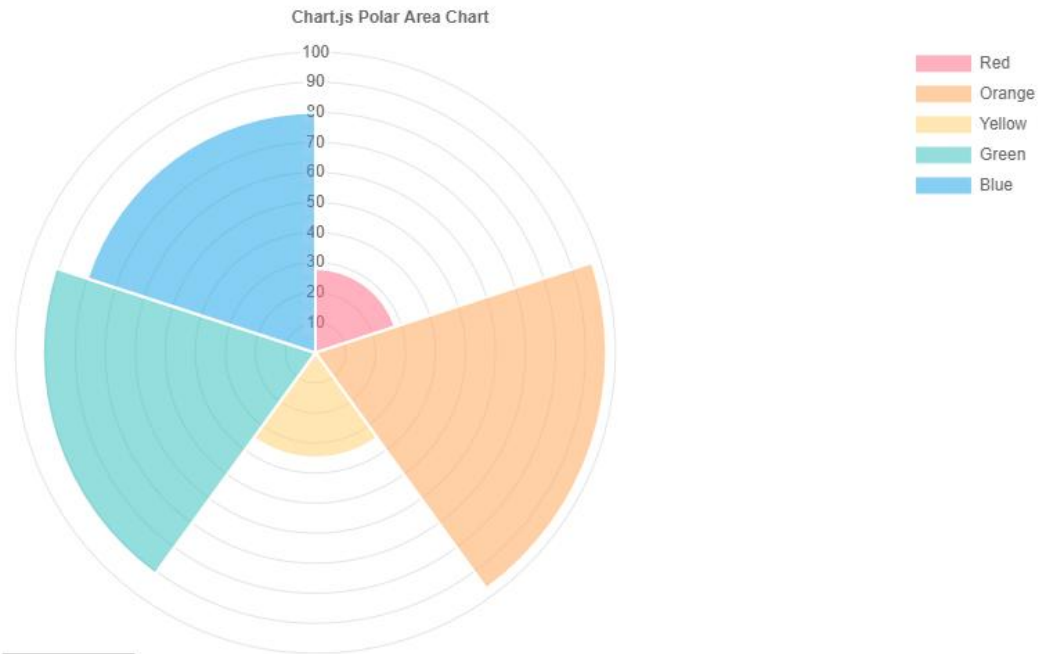
Chart.js is a simple yet flexible JavaScript for adding beautiful charts to a site. It offers lots of different types of charts, plus the ability to mix them in a single space to provide a visually interesting data set. It also has animation capabilities.
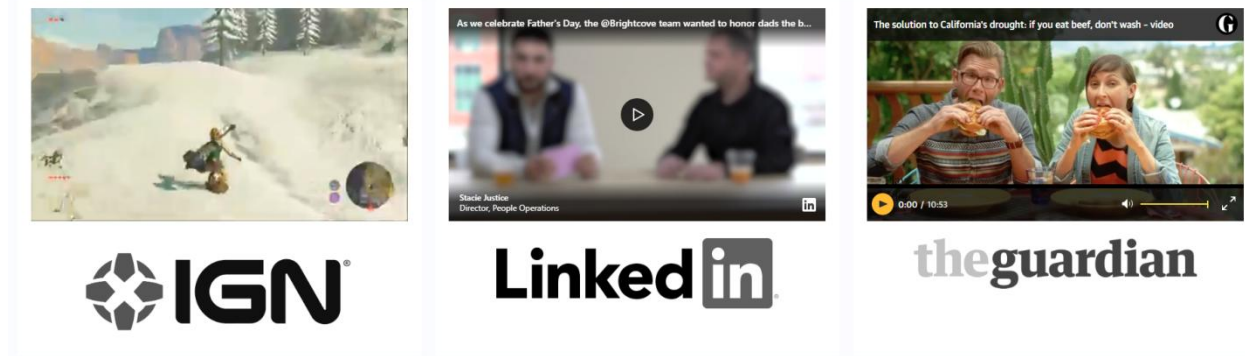
anime.js

https://animejs.com/

Anime.js is a lightweight library for adding really cool looking animations to your site. It works with CSS properties, SVG, DOM attributes and JavaScript Objects.

Video.js

https://videojs.com/

Video.js is a web video player built from the ground up for an HTML5 world. It supports HTML5 and Flash video, as well as YouTube and Vimeo (through plugins). It supports video playback on desktops and mobile devices. This project was started mid 2010, and the player is now used on over 400,000 websites.

Leaflet

https://leafletjs.com/
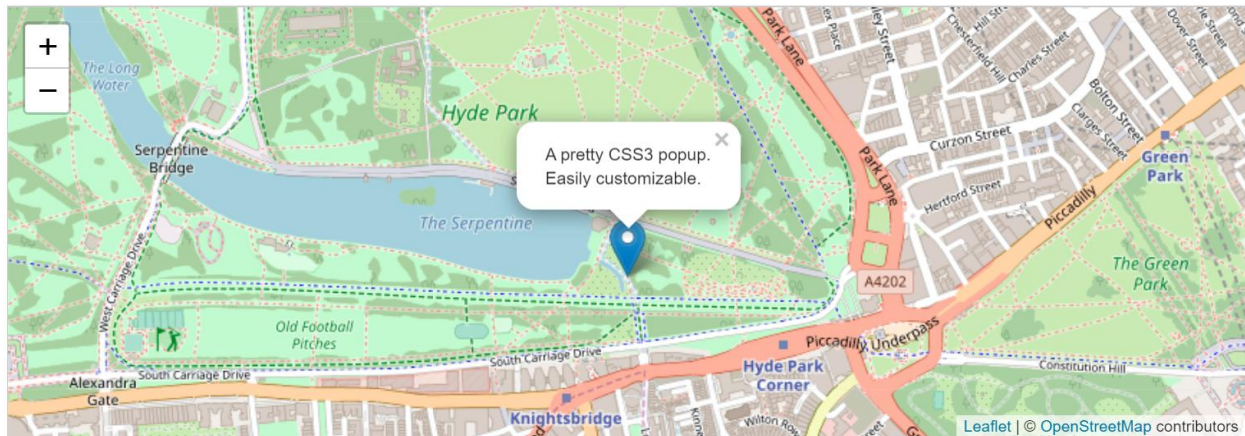
Leaflet is the leading open-source JavaScript library for mobile-friendly interactive maps. Weighing just about 37 KB of gzipped JS code, it has all the mapping features most developers ever need.

Pixi.js

https://www.pixijs.com/

Pixi provides a fast lightweight 2D library that works across all devices. The PixiJS renderer allows everyone to enjoy the power of hardware acceleration without prior knowledge of WebGL. Also, it's really fast.
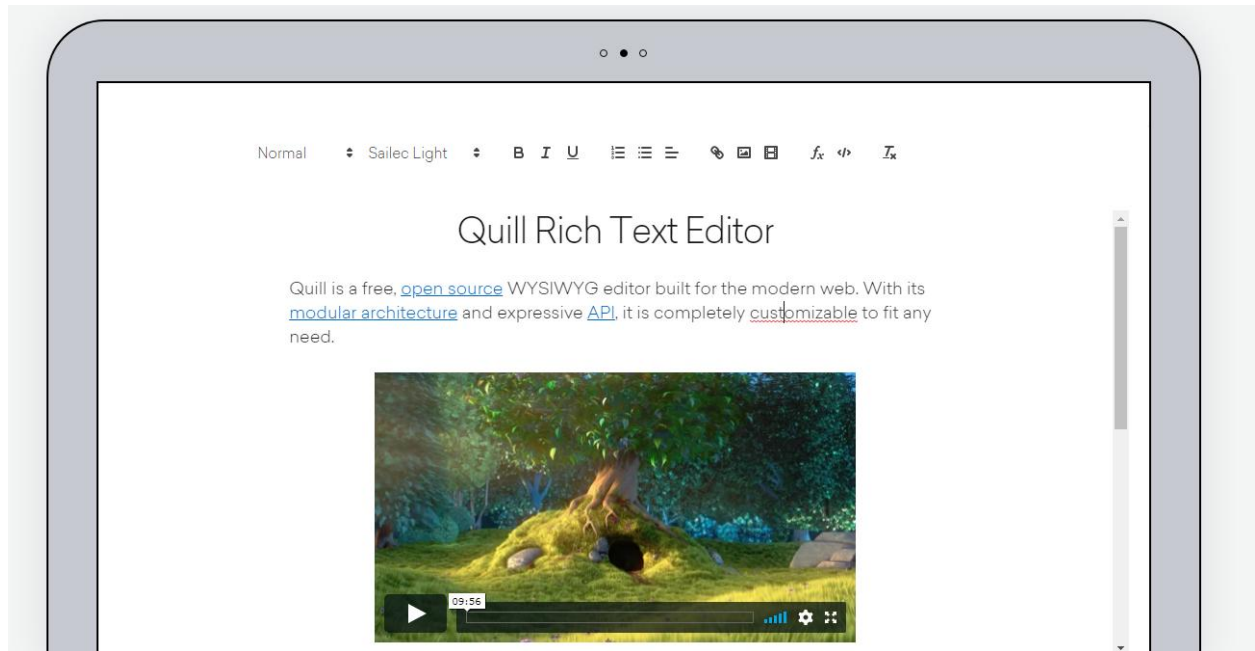
Slick

https://kenwheeler.github.io/slick/
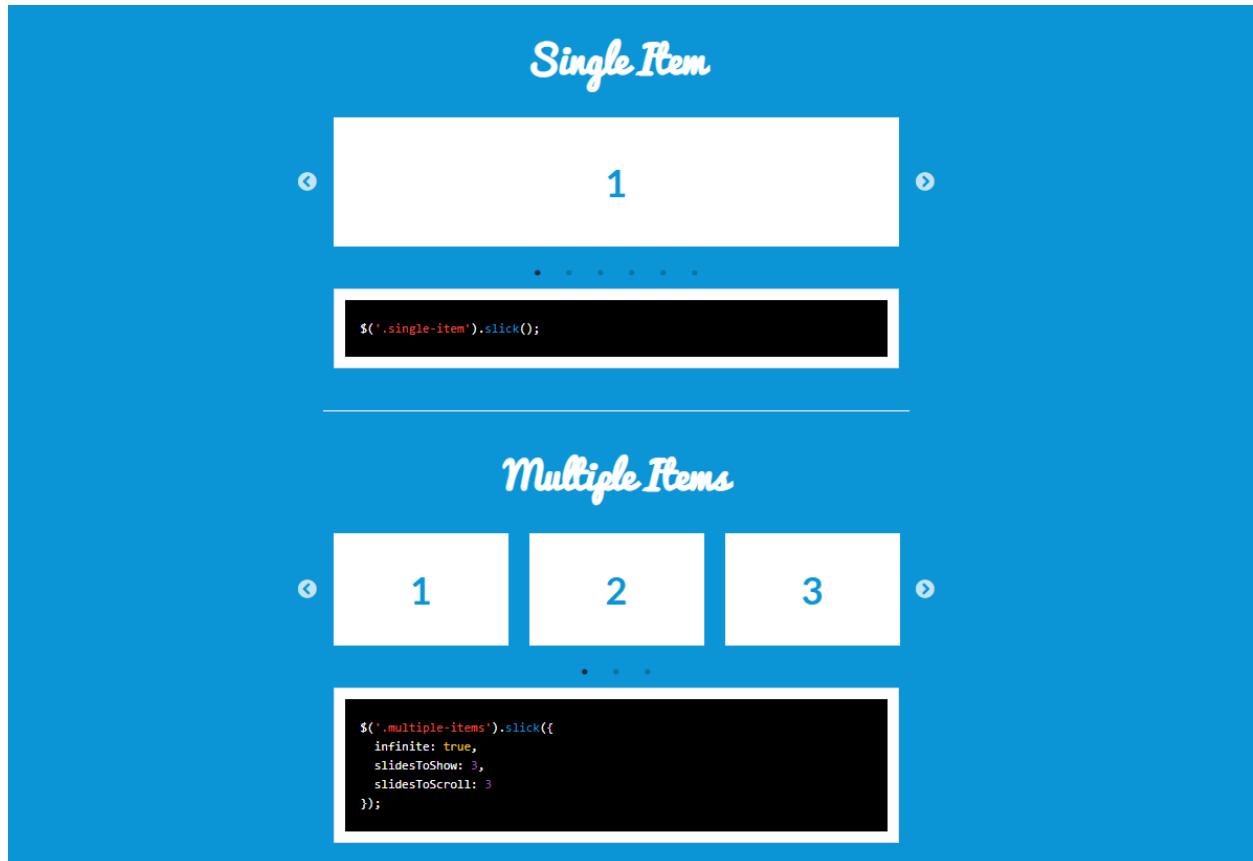
Slick is here to solve all of your carousel needs. It's fully responsive, has tons of options, works with swipe gestures for mobile devices, and so much more. You can even sync two different carousels if you want, to create a stacked effect.

Quill

https://quilljs.com/

Quill is a modern rich text editor built for compatibility and extensibility. It was created by Jason Chen and Byron Milligan and actively maintained by Slab.

Hover

http://ianlunn.github.io/Hover/
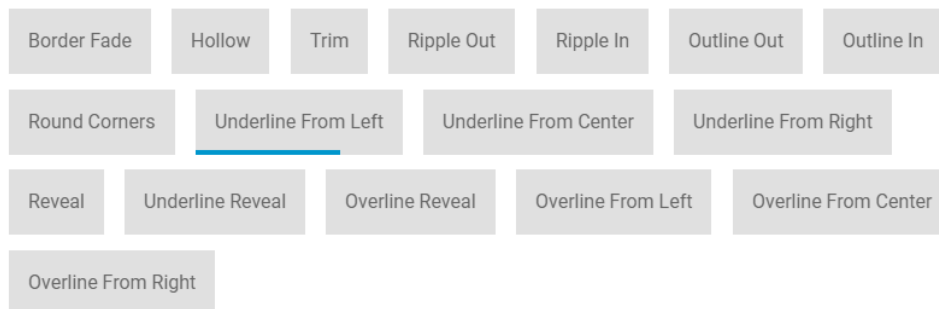
A collection of CSS3 powered hover effects to be applied to links, buttons, logos, SVG, featured images and so on. Easily apply to your own elements, modify or just use for inspiration. Available in CSS, Sass, and LESS.

Uppy

https://uppy.io/
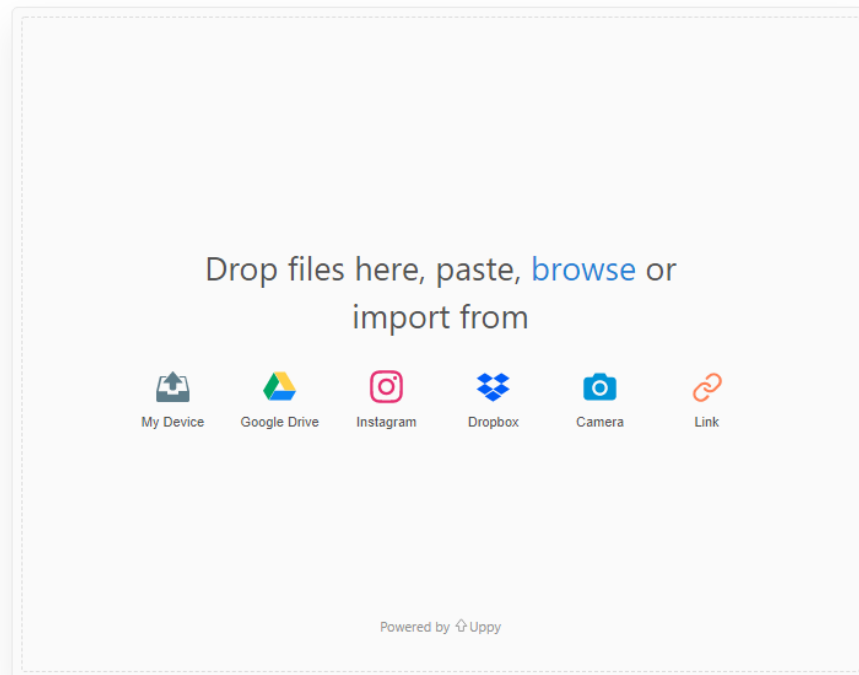
Uppy is a sleek, modular JavaScript file uploader that integrates seamlessly with any application. It's fast, easy to use and lets you worry about more important problems than building a file uploader.

Particles.js

https://vincentgarreau.com/particles.js/

Particles.js is a lightweight JavaScript library for creating amazing animations. Great for any tech-focused website or app.

Photo Swipe

https://photoswipe.com/

PhotoSwipe is a HTML/CSS/JavaScript based image gallery specifically targeting mobile touch devices

Skrollr

http://prinzhorn.github.io/skrollr/

Skrollr is a stand-alone parallax scrolling library for mobile (Android + iOS) and desktop.
No jQuery. Just plain JavaScript.

CodeMirror

https://codemirror.net

CodeMirror is a versatile text editor implemented in JavaScript for the browser. It is specialized for editing code, and comes with over 100 language modes and various addons that implement more advanced editing functionality. Every language comes with fully-featured code and syntax highlighting to help with reading and editing complex code.

ScrollReveal.js

https://scrollrevealjs.org/
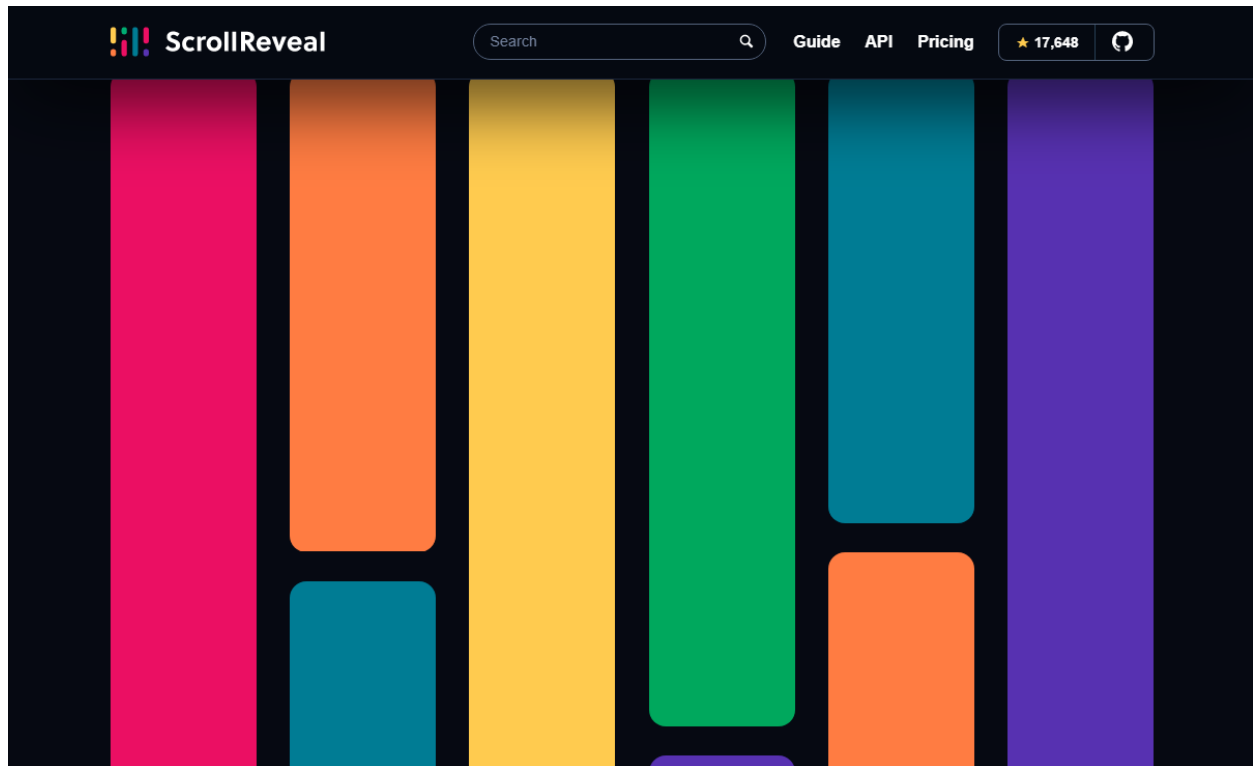
ScrollReveal is a JavaScript library for easily animating elements as they enter/leave the viewport. It was designed to be robust and flexible, but you'll be surprised at how easy it is to pick up.

HTML2Canvas

http://html2canvas.hertzen.com/

This script allows you to take "screenshots" of webpages or parts of it, directly on the users browser. The screenshot is based on the DOM and as such might not be 100% accurate as it doesn't take an actual screenshot, but builds a screenshot based on information available on the page.

Popmotion

https://popmotion.io/

Popmotion is a flexible library that helps you add slick-looking animations to your site with just a few lines of code.

Sortable

http://sortablejs.github.io/Sortable/

Sortable is a minimalist JavaScript library for reorderable drag-and-drop lists on modern browsers and touch devices. There is no jQuery. Supports Meteor, AngularJS, React and any CSS library, e.g. Bootstrap.
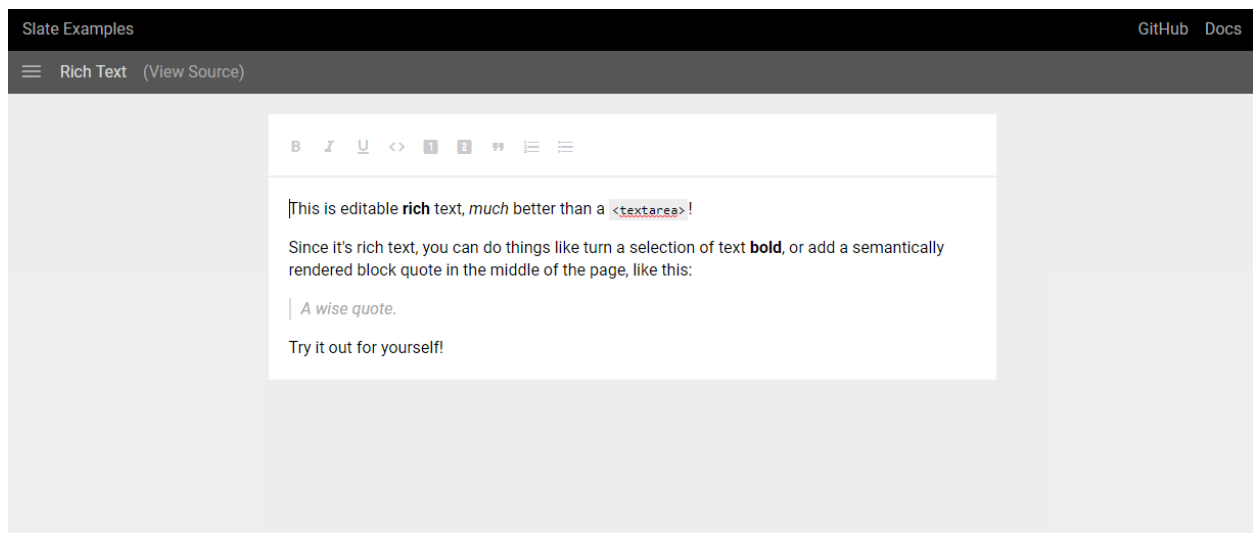
Cleave.js

https://nosir.github.io/cleave.js/

Cleave.js has a simple purpose: to help you format input text content automatically. For example, when typing in a long credit card number, Cleave will automatically group numbers and add spaces.
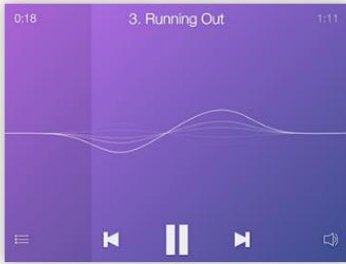
Slate

https://www.slatejs.org

Slate lets you build rich, intuitive editors like those in Medium, Dropbox Paper or Google Docs—which are becoming table stakes for applications on the web—without your codebase getting mired in complexity.
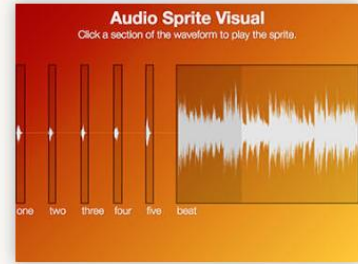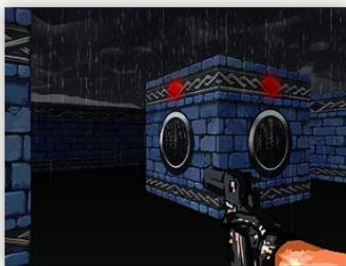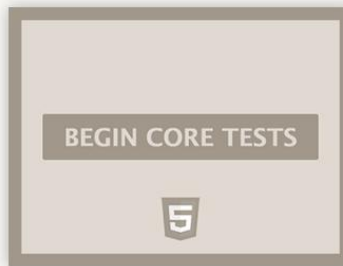
Howler.js
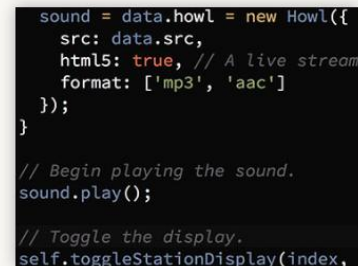

Music Player   Live Radio   Audio Sprites

Spatial Audio   Basic Functions   Demo Code

https://howlerjs.com/

With just a couple lines of code, you'll be able to play any sound with extensive options such as volume control, fading, playback speed and more. Howler.js supports mobile playback, too.

Parallax

http://matthew.wagerfield.com/parallax/

Parallax Engine reacts to the orientation of a smart device. Where no gyroscope or motion detection hardware is available, the position of the cursor is used instead.

Fabric

http://fabricjs.com/

Fabric.js is a library that makes it easy to work with HTML5 canvas elements. It is an interactive object model on top of canvas element. It is also an SVG-to-canvas parser.

Popper.js

https://popper.js.org/

Popper.js will help you create nice-looking poppers on your site. If you're wondering what a popper is, think of it like a little bubble popping up from an element. Popper.js gives you some great ways to arrange them, make them stick to elements, and keep them operating smoothly on any screen size.

Lazysizes

https://afarkas.github.io/lazysizes/index.html

LazySizes is a high performance and SEO friendly lazy-loader for images (responsive and normal), iframes and more, that detects any visibility changes triggered through user interaction, CSS or JavaScript without configuration.
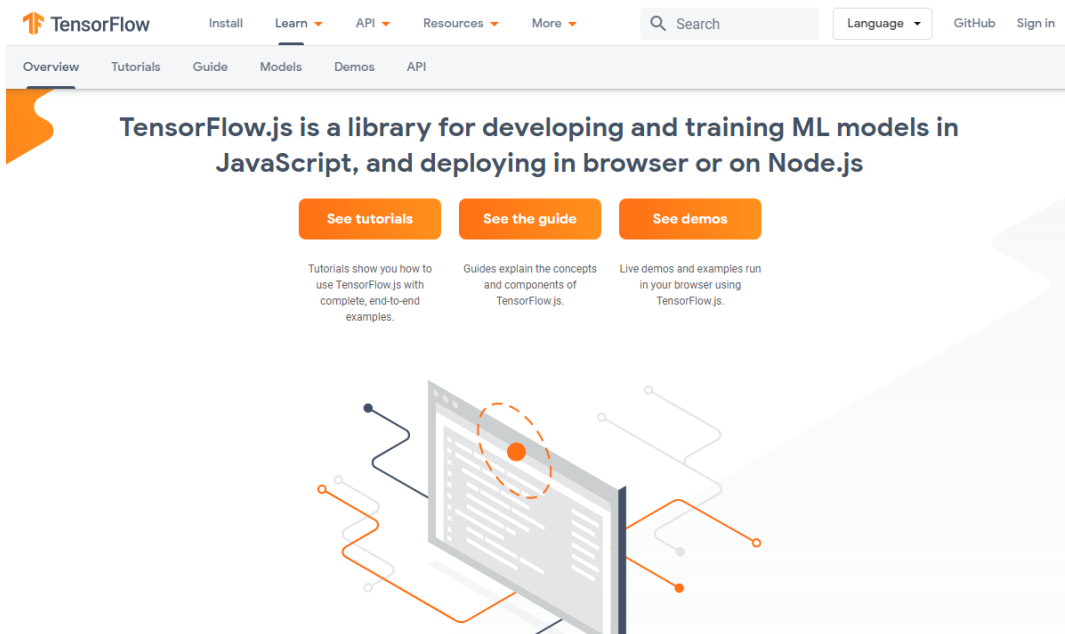
Scroll Magic

ScrollMagic responds to the user's current scroll position. You can achieve basic effects like detecting scrolling position and parallax effects, to advanced effects like multiple direction scrolling and element scaling.
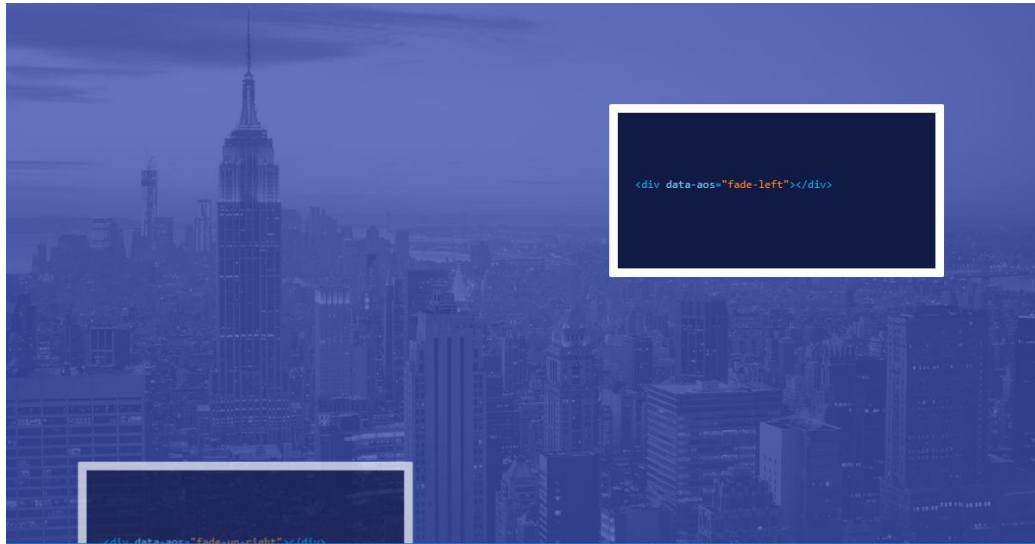
TensorFlow.js

https://www.tensorflow.org/js/

TensorFlow.js is an open-source hardware-accelerated JavaScript library for training and deploying machine learning models.
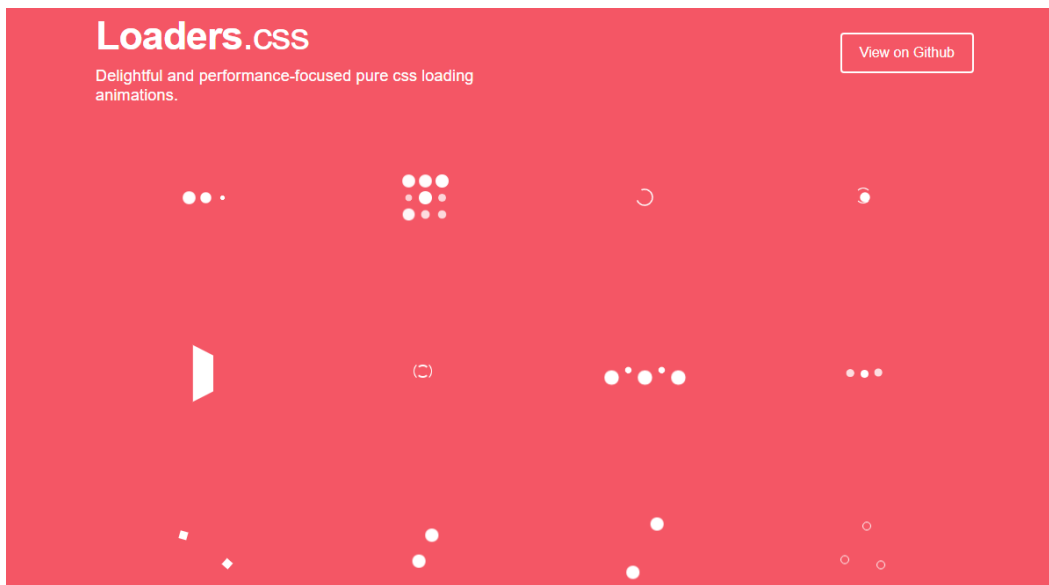
AOS – Animate On Scroll

http://michalsnik.github.io/aos/

The Animate on Scroll JavaScript library adds animation effects as a user scrolls down the page. From fade effects to static anchor placements, this library will help you create an engaging user experience.
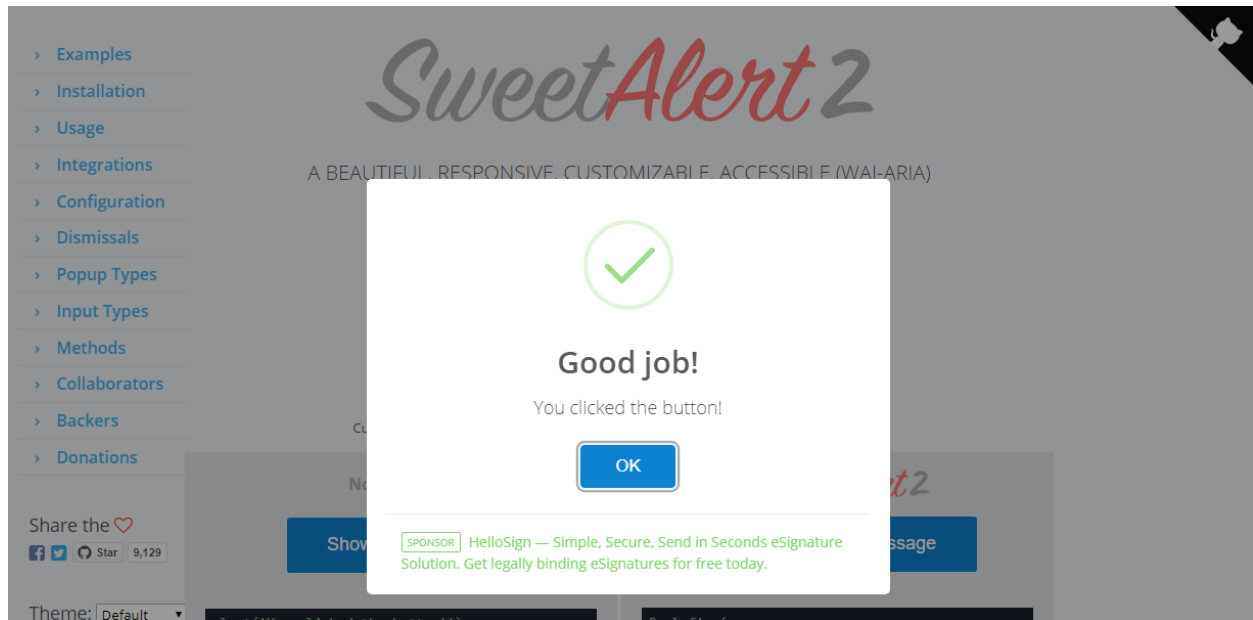
Loader.css

https://connoratherton.com/loaders

A collection of loading animations written entirely in css. Each animation is limited to a small subset of css properties in order to avoid expensive painting and layout calculations.

SweetAlert 2

https://sweetalert2.github.io/

Sweetalert2 creates beautiful, customizable popups, to replace the ugly-looking default popups in your browser.

Parsley

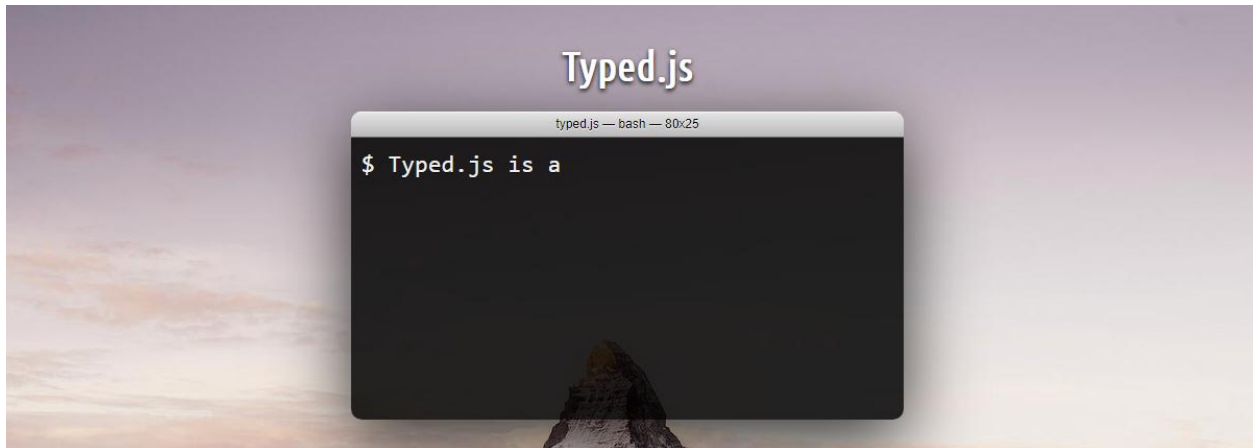
http://parsleyjs.org/

Parsley validates your forms on the frontend, without having to write a single line of javascript.

Typed.js

https://mattboldt.com/demos/typed-js/

Typed.js is a library that creates a typing-animation for any text string.

Pickadate.js

https://amsul.ca/pickadate.js/
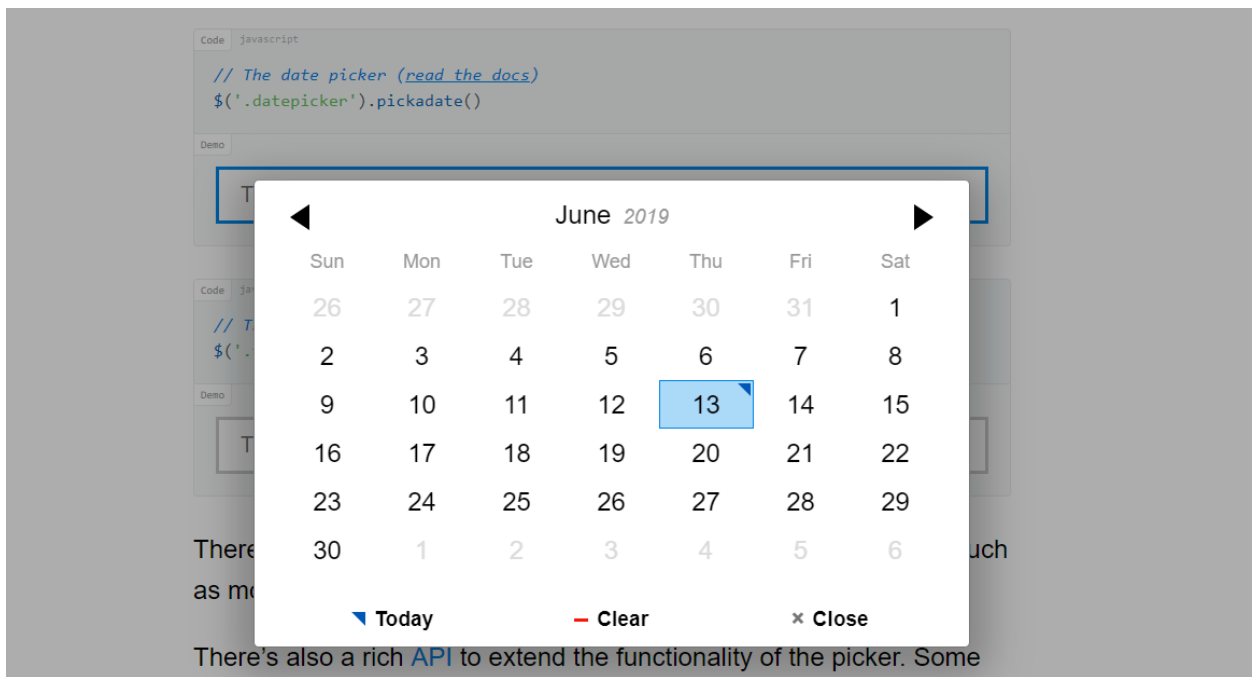
In my opinion, this is one of the very best date-pickers available. The only downside is it is Jquery-dependent.