SVG Fill on Scroll (Stroke filling)

Intro to SVGs. Why use SVGs.

Steps:

Get excited, this is what we are gonna build! Insert live link and image



HTML and CSS

1. Get an SVG with path attribute. (show our SVG image here)



- 2. Wrap SVG in div, let's say "svgDiv".
- 3. Wrap svgDiv in another div, let's say parent div and give it some height to get a vertical scroll.
- 4. Set stroke, fill, stroke-width and id on the svg.
- 5. Set the position attribute on svgDiv to fixed, so that It always stays on the center of screen.

JavaScript

1. Get length of the svg (show snippet part).

```
// Get the id of the <path> element and the length of <path>
var path = document.getElementById("myPath");
var length = path.getTotalLength();
```

2. Assign *strokeDashArray* and *strokeDashOffset* to svg through code. The most important part as it is responsible for the filling of stroke in SVG.

```
// The start position of the drawing
path.style.strokeDasharray = length;
// Hide the path by offsetting dash. Remove this line to show the path before scroll draw
path.style.strokeDashoffset = length;
```

3. Add event listener to window scroll, and find the scrollpercentage (done through JS code snippet), set the offset equal to

```
offset = pathLength - scrollpercentage
```

4. Gradually the offset decreases from pathlength to 0, giving a fill effect.

(code snippet)

Congrats! You have hopefully learnt how to fill svg on scroll.