

JS

Top 5 Animation Libraries

in **JavaScript**



Anime.js

A lightweight and versatile JavaScript animation library offering a user-friendly API for creating smooth, performant animations.



```
anime({  
  targets: 'element',  
  translateX: 200,  
  rotate: 360,  
  duration: 800,  
  easing: 'easeInOutSine'  
});
```



Animate UI elements on hover (e.g., buttons, menus), create loading spinners, implement subtle micro-interactions for a more engaging user experience.



Swipe →

GSAP (GreenSock Animation Platform)

A powerful and comprehensive animation library known for its extensive features, timeline-based approach, and ability to handle complex animations with finesse.



```
gsap.to('element', {  
  duration: 2,  
  x: 100,  
  y: 50,  
  ease: "bounce.out"  
});
```



Craft elaborate page transitions, animate complex SVG elements, build dynamic content carousels, create interactive data visualizations.



Swipe →

Popmotion

A functional animation library emphasizing granular control and performance. It excels at handling complex animations with numerous data types.



```
popmotion.styler(element)
  .set('translateX', 0)
  .start({
    velocity: 100,
    duration: 1000,
    from: 0,
    to: 200
});
```

Popmotion

Animate 3D charts and graphs, implement dynamic scrolling effects, create fluid parallax experiences, achieve highly responsive animations.



Swipe →

Vivus.js

A specialized library focused on SVG animation, enabling you to breathe life into static SVGs by bringing them to life with smooth, path-based animations.



```
new Vivus('svgElement', {  
    duration: 200,  
    file: 'path-animation.svg'  
});
```



Animate SVG logos for a captivating introduction, create interactive SVG icons that respond to user interaction, add visual storytelling elements using SVG illustrations.



Swipe →

Lottie

A library that bridges the gap between design tools like Adobe After Effects and web development by integrating complex Lottie animations (JSON-based) into your web projects.



```
bodymovin.loadAnimation({  
    container:  
    document.getElementById('animationContainer'),  
    renderer: 'svg',  
    loop: true,  
    autoplay: true,  
    path: 'data.json'  
});
```



Seamlessly incorporate pre-designed animations from After Effects, create engaging explainer videos or product demos, add micro-interactions and animated elements throughout your web application.



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