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Why Choose Svelte over React

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When comparing 2 tools it's common to compare in terms of positives, "A" does this better than "B" and "B" does that better than "A". It's a good start but most of the time it's surface level and a matter of preference. It makes no big difference because the end goal can still be achieved either way. I think it's often better to compare in terms of negatives, because it's the negatives that truly limit you.

And it's the negatives of React that led me to choose Svelte as my primary JS framework. I wish it weren't so. JQuery was neat, AngularJS blew my mind, but React was special. React did everything AngularJS did, and even Angular 2 for that matter, but better and simpler. Sadly, this no longer seems to be the case.

It's the virtual DOM. There's no escaping it in React. It's its biggest strength, it's what made it so revolutionary, and now it is its biggest weakness.

Besides the unnecessarily larger bundle sizes, it creates unnecessary re-renders of your whole app upon every change. It may have improved over the years but fundamentally the issue is still there, and to mask it we impose seemingly arbitrary rules upon developers. We use hooks, we manually specify dependencies within hooks, we use hooks only at the top level, we wrap things in hooks and callbacks and memos, and the hole gets deeper every year.

It doesn't have to be this way, at least not anymore. Instead of asking "How do we make this better?" I think the better question is "Should we make this better?".

Sometimes there are just inherent limitations with a tool, and instead of endlessly optimizing maybe we should look elsewhere. Instead of pouring millions into research and development to increase the efficiency of the internal combustion

engine by a couple of percentage points, maybe we should look to electric vehicles that just don't have the same inherent limitations.

That's how I feel about Svelte and React. Svelte uses a compiler-based approach, and any abstractions or code you write get compiled down to plain JS, without the hunky virtual DOM. It's about as close to vanilla JS as you can get with a framework. And because of this you aren't held back by the limitations of a virtual DOM. No more thinking about optimizing for re-renders, following the rule of hooks, or anything else related to the virtual DOM.

Using React has been getting more burdensome every year. It's not the handful of ever-changing libraries you need to use with React, it's not even Redux, in fact, I still enjoy using Redux, it's just React. It's gotten so heavy it's hard to move forward with it.

Using Svelte feels like flying in comparison. It's so light. And not just in its final bundle size but also in terms of the mental load, or framework-specific knowledge needed to use it. It makes for a better developer experience and faster load times for users.

I think React is too far gone at this point. Whatever got us from jQuery to React isn't going to get us to the next level. We need something lighter and simpler, to make room for whatever is to come, and I think Svelte fits just right.

Svelte

React

JavaScript

Web Development



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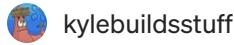
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Alfred

I'm afraid you've left the Batmobile in the Batcave, sir. Shall I fetch it for you?



Batman

Yes



Alfred

Very well, sir. I'll have your Batmobile brought up to the surface for you. Is there anything else you need assistance with?



Batman

I can't remember what I was doing, what was I supposed to do today?



Alfred

If I may, sir - You were scheduled to attend a meeting with Commissioner Gordon to discuss the recent rise in criminal activity in Gotham City. You also had plans to test a new prototype gadget in the Batcave in response to the city's new threats. Shall I bring up your notes and remind you of anything else?



Batman

How about that Joker guy, seems pretty pesky. Any advice?



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1 title: 'Beepbooply Privacy Policy'
2 description: 'All about your data and privacy.'
3 author: 'Kyle'
4 publishedAtIso: '2023-02-10'
5 ---
6
7 Your privacy is important to us. It is beepbooply's policy to
8 regulation regarding any personal information we may collect at
9 and other sites we own and operate.
10
11 This policy is effective as of 10 February 2023 and was last up
12 ~ ## Information We Collect
13
14 Information we collect includes both information you knowingly
15 provide to us when using our services and promotions, and any information automatically
16 collected by our servers as you interact with our services.
17
18 ~ ## Log Data
19
20 When you visit our website, our servers may automatically log your
21 device's Internet Protocol (IP) address, your browser type, the
22 pages you visit, the time and date of your visit, and details about your
23 errors you experience while using our services.
```

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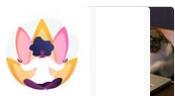
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- Integrated Iframes for credit cards and bank accounts to secure 80% of all consumer traffic and prevent CSRF, cross-site scripting, and cookie-jacking
- Led Your Transactions implementation for JavaScript front-end framework to showcase consumer transactions and reduce call center costs by \$25 Million
- Recovered Saudi Arabia checkout failure impacting 4000+ customers due to incorrect GET form redirection

Projects

NinjaPrep.io (React)

- Platform to offer coding problem practice with built in code editor and written + video solutions in React
- Utilized Nginx to reverse proxy IP address on Digital Ocean hosts
- Developed using Styled-Components for 95% CSS styling to ensure proper CSS scoping
- Implemented Docker with Seccomp to safely run user submitted code with < 2.2s runtime

HeatMap (JavaScript)

- Visualized Google Takeout location data of location history using Google Maps API and Google Maps heatmap code with React
- Included local file system storage to reliably handle 5mb of location history data
- Implemented Express to include routing between pages and jQuery to parse Google Map and implement heatmap overlay



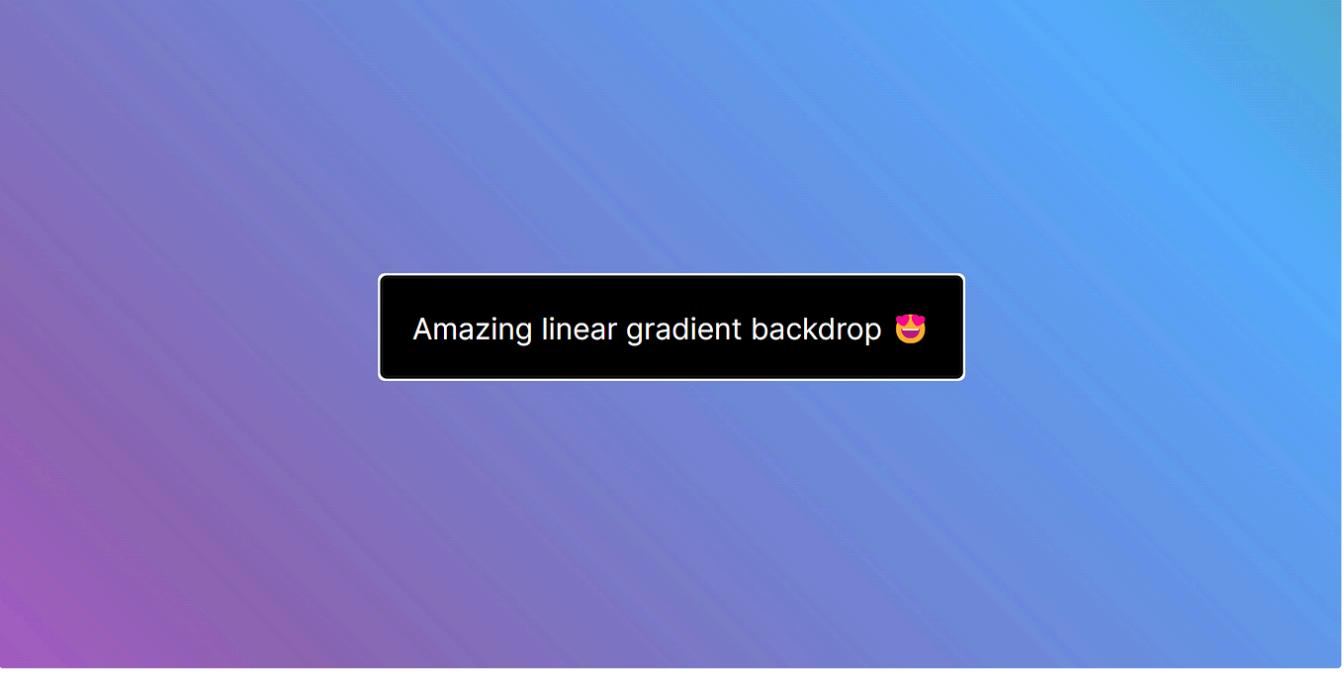
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