This is the last issue of the year (we're back on January 7,

JavaScript Weekly

The Best of JavaScript Weekly

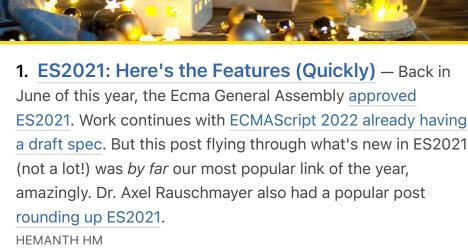
in 2021

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2022) so we're taking a look back at some of the most popular items of 2021, starting with top links overall before moving on to top libraries, tools, videos, and more. You'll also find a quick

#570 — DECEMBER 24, 2021

month by month rundown in this issue, so there's sure to be something that'll catch your attention :-) Peter Cooper, your editor



2. Comparing Svelte and React — After spending an extended period of time working with both, the author identified his preference based on first hand observations supported with real-world examples. I suspect 2022 will

continue to see Svelte taking big leaps forward. JACK FRANKLIN Build a Mobile-Responsive

Telehealth Pager App Using Stream's Chat API — With Direct and Group Chats, emojis & Reactions, Built-in GIF support, the ability to edit & delete messages, specialized commands, and much more, this fully responsive Medical Pager is the best Chat App that you can currently find on YouTube. STREAM SPONSOR 3. Comparing the New Generation of Build Tools — A detailed evaluation of a variety of approaches for bundling JavaScript and other front-end assets, including Snowpack,

4. 'Rust is the Future of JavaScript Infrastructure' — It's an opinion but the (still) growing evidence is compelling. Rust (as well as Go) is now being heavily used to replace parts of the JavaScript tooling ecosystem that might have otherwise been written in JS before (e.g. Rome, SWC, dprint). LEE ROBINSON 5. The State of Web Workers in 2021 — The web is single-threaded, but two years ago Surma told us why to always use Web Workers and why to bring multithreading to your solutions despite the difficulties. Almost every client

6. Rethinking JavaScript's Ternary Operator — ternary

warrant its use alone? Is it something you can "trust"? James

React Authentication, Simplified — In this article, we lay out a new approach to authentication (plus access control &

? "yes": "no" ... A lot of developers regard the ternary

operator "with suspicion", says James. Does its brevity

also looks at a future alternative coming to the language.

supports them now, so Surma made the case again.

esbuild, Vite, and wmr. A handy overview.

HUGH HAWORTH

SURMA

JAMES SINCLAIR

SSO) in React applications.

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founded.

Node began to take off.

hired folks and more.

was released.

GOOGLE

with explanations. OLEKSII TREKHLEB ET AL.

Kanban

unveiled. ES2021 was fully approved.

JavaScript in its popular Ruby framework.

released. Remix was open sourced.

Top Code & Tools of 2021

JANUARY: The State of JS 2020 results came out. As did Snowpack 3.0. React's original creator left Facebook. FEBRUARY: npm 7.0 was released, as was Vite 2.0. MARCH: The Node.js team began thinking about the next 10 years of Node. Meanwhile, jQuery 3.6.0 was released. V8 sped up its release cycle. The ES2021 candidate spec was released. V8 9.0 was released. The Deno company was

APRIL: Node.js 16 was released. The ES module approach in

MAY: The Rome folks created a company, raised money,

JUNE: Undici 4 was released and pushed as a new better

JULY: Low code environment Node-RED 2.0 was released.

AUGUST: The Wikimedia Foundation picked Vue.js as its frontend framework of choice. Vue 3.2 was released. The

Ruby on Rails team considered a new approach to handling

alternative HTTP client for Node.js. The plan for React 18 was

📆 JavaScript's 2021: Month by Month

SEPTEMBER: Node.js gained an experimental package manager manager (sic) called Corepack. OCTOBER: Node 17 was released. React's new docs site was

released. The Remix project took \$3m in funding. Gatsby 4

unveiled. jQuery Mobile was deprecated. Parcel 2 was

NOVEMBER: React 18 entered beta. Angular 13 was

DECEMBER: Create React App 5.0 was released.

Over 100 Algorithms and Data Structures

Demonstrated in JS — Examples of many common

Shortcut Puts the Agile in Agile and the "Can" in

SHORTCUT (FORMERLY CLUBHOUSE.IO) | SPONSOR

algorithms (e.g. bit manipulation, Pascal's triangle, Hamming distance) and data structures (e.g. linked lists, tries, graphs)

zx: A Tool for Writing Better Shell Scripts — Rather than using something like bash to throw together a quick script, zx provides a variety of niceties to do the same with the JavaScript you know and love.

Templates — This clever library has been around a few years but continues to see updates. Think JSX-style syntax but in plain JavaScript (using tagged templates) that requires no transpilation but still supports things like rest spread and

HTM 3.1.0: A JSX Alternative using Standard Tagged

new release just dropped this week too. **FUTURE CORP** Jobs React Frontend or Full-Stack Engineer at Uplift (US Consultancy) — Enjoy a flexible schedule while building web and mobile apps with modern technologies on a wide variety of projects.

Engineering Manager - Front End (Remote) — With over 8 million clients, Kraken is one of the world's largest, most successful

Find JavaScript Jobs with Hired — Create a profile on Hired to connect with hiring managers at growing startups and Fortune 500

helps you automate creating the initial static types for

the Web? — A bold claim from a library we hadn't

Cheetah Grid: The Fastest Open-Source Data Table for

encountered before. There's a live demo here with 1,000,000 records in a table if you want to try it for yourself, though. A

Phew, that was a lot of ground to re-cover, but hopefully it's resurfaced some things you missed at the time :-) Many thanks for reading JavaScript Weekly this year. From all of us here at Cooperpress, season's greetings to you, however you celebrate (or not!) Peter Cooper, your editor

JASON MILLER css × html × javascript × write some tags Tagify: An Elegant Input Component for Tags — The polished demos show a lot of effort has been put in here. GitHub repo. YAIR EVEN-OR Typehole: VS Code Tool to Automatically Generate TypeScript Types and Interfaces — An extension that

runtime values. **RIKU ROUVILA**

UPLIFT AGENCY LTD

bitcoin exchanges.

companies. It's free for job-seekers.

Popular Videos of 2021

KRAKEN

HIRED

referencing components.

JavaScript Story — Lex Fridman is an Al researcher who's becoming well known for high quality interviews and here he spoke with Brendan Eich about his coding history, JavaScript's full origin story, the browser wars, and Brave. LEX FRIDMAN ▶ What You Need to Know About React 18 — This year we shared this official plan for React 18 and while it's still 'almost here' the community set to work chewing over what it all means. HARRY WOLFF

Beyond on Click: Handling Events in React

Coding Up a Mario Game in JavaScript with

course of an hour in her typically breezy, easy to

to keep your code clean. It's based on this article by

► Have Single-Page Apps Ruined the Web? — The

'transitional apps' may be the way forward. Might be an idea to

creator of frontend framework Svelte spoke about the criticisms lodged towards single-page apps and how

Kaboom.js — One of the most popular JavaScript YouTubers

► Ten JavaScript Clean Code Examples — Thoughts on ten examples of approaches worth considering if you're trying

of 2021 showed us how to create a basic platformer in the

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follow manner. ANIA KUBÓW

Ibeh Ubachukwu. ADRIAN TWAROG

keep in mind for 2022.

That's a wrap...

RICH HARRIS

JavaScript's Creator Brendan Eich Shares His

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