DATASTAR
THE HYPERMEDIA FRAMEWORK

Basic CRUD ────────────────────────── Real-time

BUILD REACTIVE WEB APPS THAT STAND THE TEST OF TIME

Datastar is a **lightweight** framework for building everything from simple sites to real-time collaborative web apps.

BACKEND

Harness the simplicity of server-side rendering and the power of a frontend framework, with a single **10.75 KiB** file.

Write your backend in the language of your choice (we have [SDKs](#), too).

GET STARTED ▸

Datastar accepts `text/html` and `text/event-stream` content types, so you can send regular **HTML** responses or stream **server-sent events (SSE)** from the backend.

See the difference by trying **zero** and **non-zero** intervals below.

```
Interval in ms:
```

Network Response

REACTIVE FRONTENDS WITH NO USER-JS

Datastar allows you to **iterate quickly** on a **slow-moving**, **high-performance** framework.

0:00

GET STARTED ▸ | **WATCH MORE VIDEOS ▯**

DATASTAR SOLVES MORE PROBLEMS THAN IT CREATES

Unlike most frontend frameworks, Datastar simplifies your frontend logic, shifting **state management** to the backend.

hypermedia-driven approach.

STATE IN THE RIGHT PLACE

Add reactivity to your frontend using `data-*` attributes.

```
1  <button data-on-click="@get('/endpoint')">
2      Open the pod bay doors, HAL.
3  </button>
4
5  <div id="hal">Waiting for an order...</div>
```

BACKEND DRIVEN FRONTENDS

Modify the DOM and state from your backend.

```
1  sse.PatchElements(`
2      <div id="hal">I'm sorry, Dave. I'm afraid I can't do that
3  `)
4  time.Sleep(1 * time.Second)
5  sse.PatchElements(`<div id="hal">Waiting for an order...</div
```

OPEN THE POD BAY DOORS, HAL.
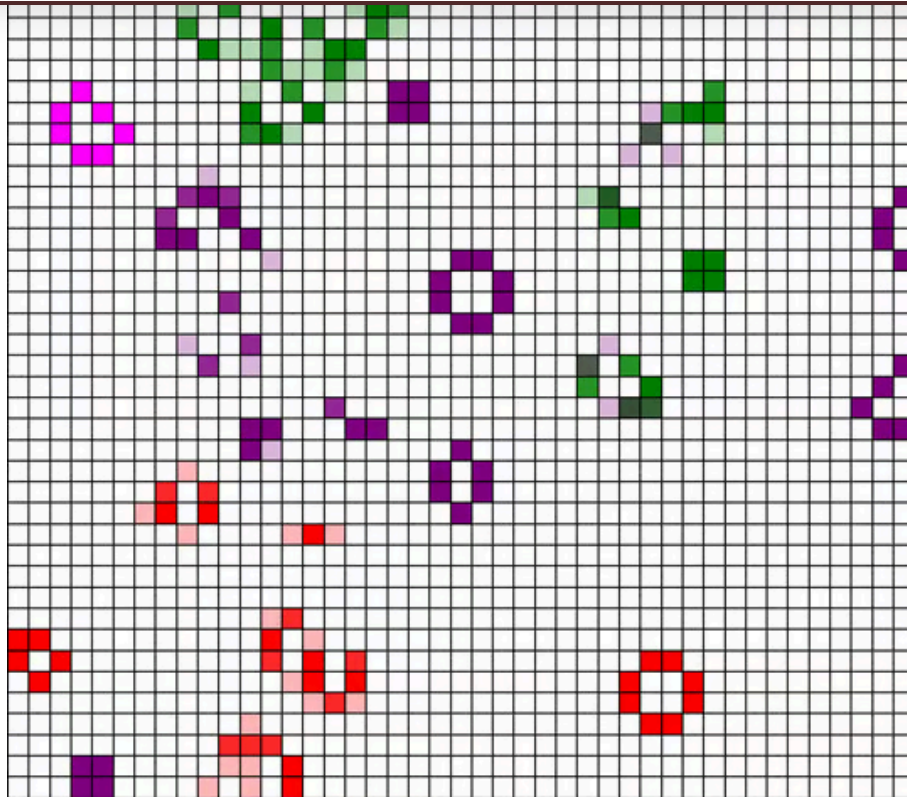
Waiting for an order...

> *Datastar gives me reactive, realtime applications without the complications of the JS/TS ecosystem. I had to change my way of thinking about building frontends, and I'm Oh-So-Glad I did!*
>
> *Brian Ketelsen*

GAME OF LIFE ▶

Datastar is exactly like React, except without the network, virtual DOM, hooks, or JavaScript. Oh and you get multiplayer and realtime for free. Did I mention you can use any backend language you want? Datastar has solved the frontend for me – I can now get back to solving business problems.

I've spoken about avoiding SPA complexity for years, and Datastar nails it: real-time UIs with less code than htmx or Alpine.js, and none of the overhead I used to wrestle with.

Chris May

BACKED BY A NONPROFIT

SUPPORTED BY A COMMUNITY

CODED BY HAND

Simple. Fast. Light. No VCs.

MORE ABOUT US ▶

READY FOR LIFTOFF?

GUIDE ▶　　REFERENCE ▣　　EXAMPLES ▣