

The global civil discourse map is a noSQL, serverless javascript web app. It has the typical structure of a serverless web app, with a javascript/html/css front end and a AWS (S3/Lambda/Cloudwatch) backend with no database (SQL or otherwise).

Back end components: AWS/parsing js function

- Headlines: country headlines are refreshed daily through a combination of AWS lambda, and AWS eventbridge. Then stored in S3/DynamoDB. see the full guide in the AWS section of the wiki.
- Country data (population): similar to Headlines, managed by an AWS function and an eventbridge to cause it to update on a regular schedule.
- Data is sent to S3 buckets to be called by Search.js on the javascript side
- Search.js: gets data from S3 through an AWS-API call, stores it in a data structure to later be called by country data. (see Search.js documents for further information)

Front end components: js/REACT components

- The map is currently using react-leaflet, but other libraries have been looked into such as pigeon map. See map document for more info
- When a country is clicked on in the map, it opens the country information tab.
- The country information tab is a collection of many different javascript components coming together to form a collection of all information for a country.
 - The first aspect of the country page is the country mini information, which uses the datacard javascript components (see infocard.js)
 - The second part of the page is the headlines section, which takes the headline information from search.js to display the curated headlines per country (AWS-lambda/headlines)
 - The third part is the interviews section, which will or will not have any elements depending on data from professor lowenstein and foreign language profs (see interviews data/interviews component)
 - A fourth, planned part is the display of the GDI journals, which are currently delayed due to the R