



*Experiences growing a  
FOSS4G project*

FOSS4G:UK South West 2024

# James Milner



Staff Software Engineer

**Nearform**

# Introducing Terra Draw

**An open source  
JavaScript library for  
drawing on web maps**

## Draw A Search

Drawn area name

Save Area

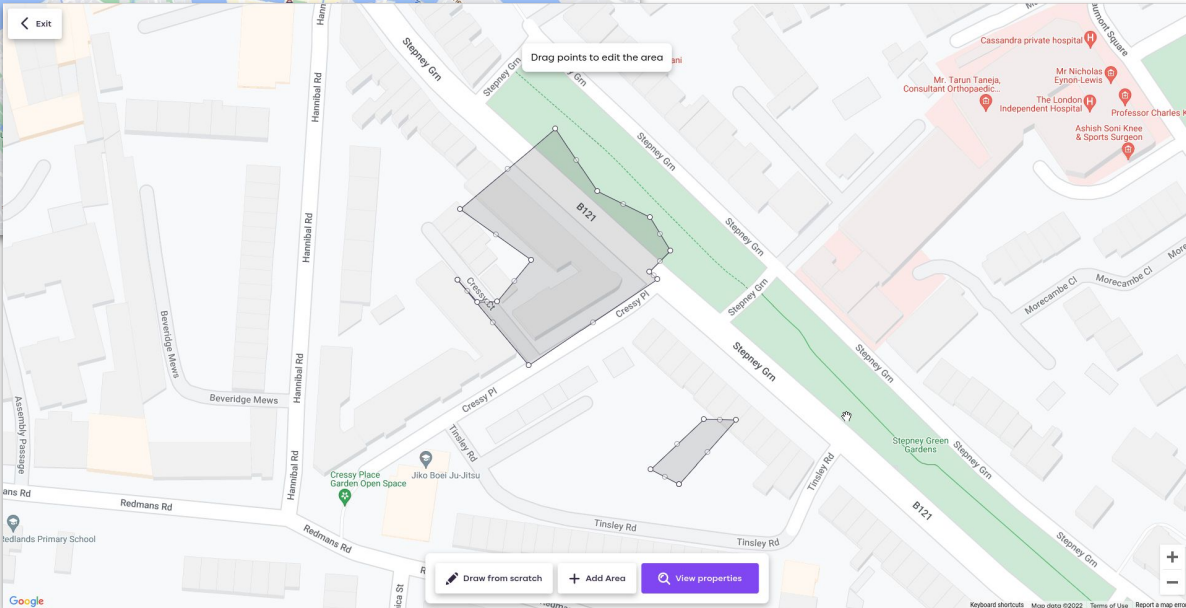
### My drawn areas



#### Create your custom search areas

Add, move or delete points to edit a current area or clear to plot a new area from scratch.

Access your previously saved areas by [Signing In](#)



## Browser



# Terra Draw

## Adapters

Mapbox

OR

Leaflet

OR

Google

## Modes

Polygon

Point

LineString

Select

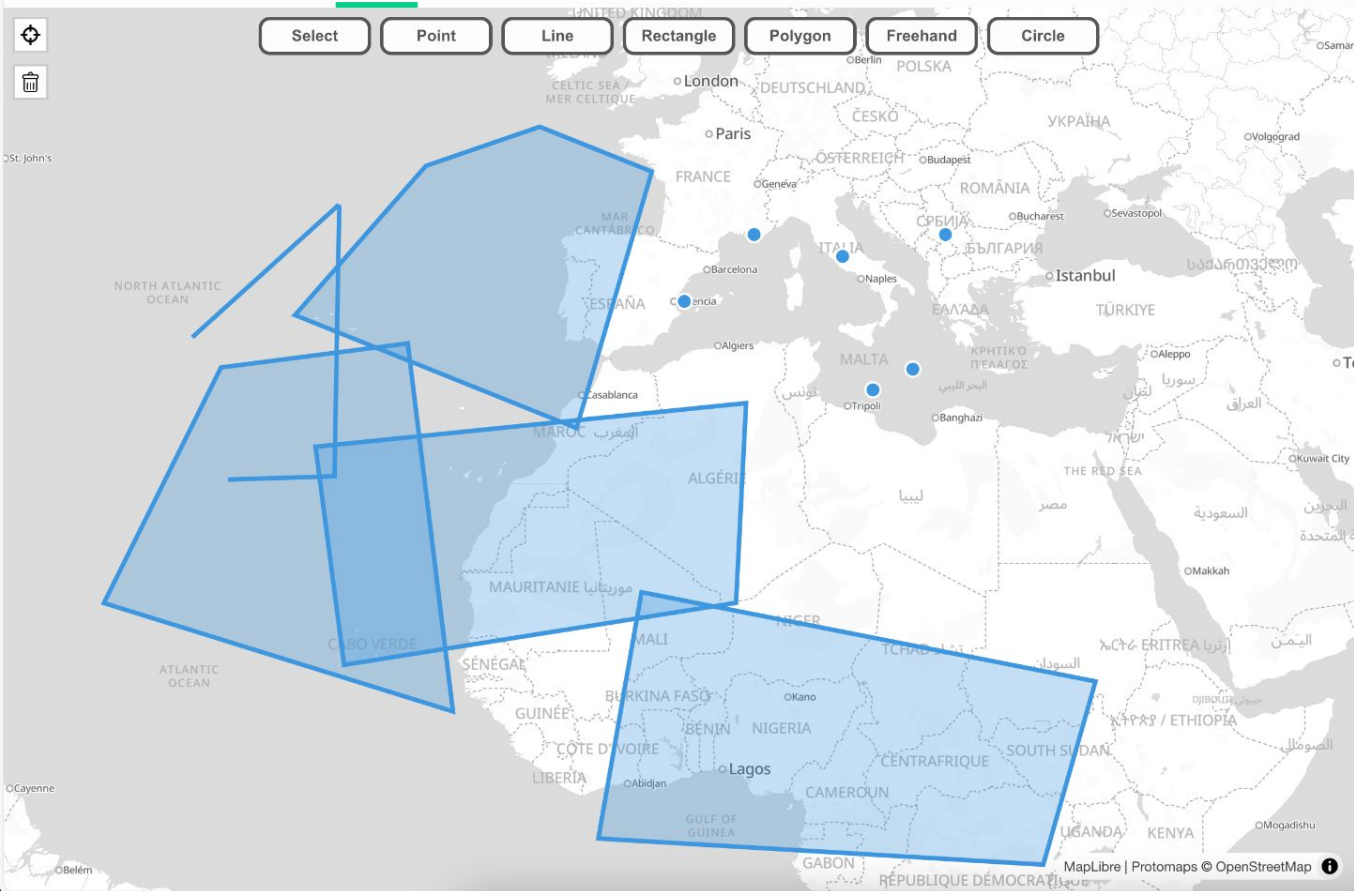
Store



- Select
- Point
- Line
- Rectangle
- Polygon
- Freehand
- Circle



©ST. John's



## GeoJSON Info

```
{
  "type": "FeatureCollection",
  "features": [
    {
      "id": "3880b319-0cc7-4ade-94f8-94cec880f861",
      "type": "Feature",
      "geometry": {
        "type": "Polygon",
        "coordinates": [
          [
            [
              -19.79839325,
              47.185762536
            ],
            [
              -30.028381348,
              38.661054832
            ],
            [
              -8.016929627,
              31.434579416
            ],
            [
              -2.117958069,
              46.881885335
            ],
            [
              -10.891914368,
              49.223262353
            ],
            [
              -19.79839325,
              47.185762536
            ]
          ]
        ]
      },
      "properties": {

```

Copy

Download

GeoJSON ▾

# Growing the Project

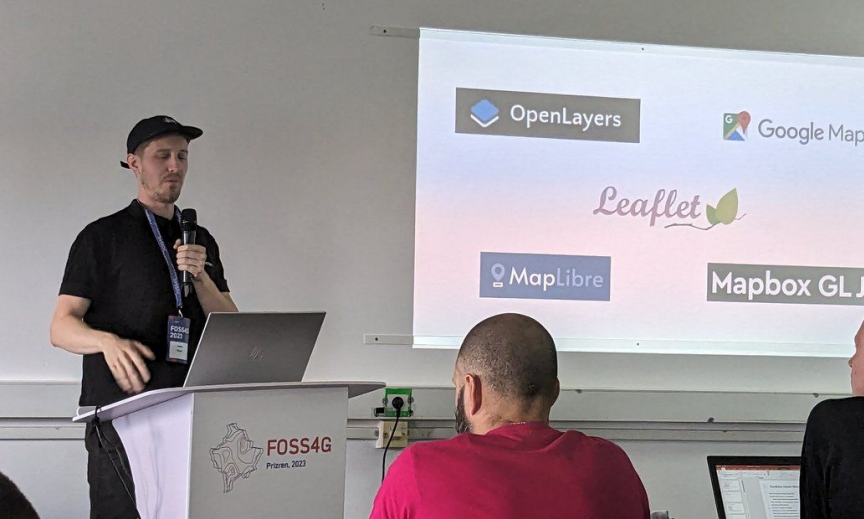


A construction worker wearing a yellow hard hat and a safety vest is working on a yellow wall. The worker is holding a yellow block and a blue circular object. The background is a blurred yellow wall.

**Build it, and  
they will  
come**

- Website
- Listings
- Tagging (GitHub, npm, etc)





[Home](#) > [Podcast](#)

# Geomob Podcast – 226. James Milner: Terra Draw

Released: 24 Mar 2024



Geomob

James Milner: Terra Draw



00:00 / 00:33:18



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commented on May 15

Author



Hey @JamesLMilner Really appreciate you taking the time to dive in and fix this. I'm a former Mapboxer, now working for the State of Colorado on a public safety situational awareness tool called COTAK - <https://cotak.gov> .

COTAK provides public safety specific user and real-time geospatial data management around a the federal TAK program - <https://tak.gov/>. TerraDraw currently powers the editing tools in CloudTAK - <https://github.com/dfpc-coe/CloudTAK>.

Your library just yesterday, helped coordinate an interagency (Mountain Rescue, EMS, & Air-Medical) rescue of an mountain biker with a suspected femor Fx be packaged and airlifted to definitive care.



# Growing the FOSS4G ecosystem









## **Important**

- New features
- Bug fixing
- Performance
- Releases

## **Also important**

- Giving feedback
- Adding documentation
- Creating examples
- Fixing typos/links
- Filing issues
- Organising events
- Coordinating sponsorship

**Thanks! Questions?**

# Links

- [github.com/JamesLMilner/terra-draw](https://github.com/JamesLMilner/terra-draw)
- [terradraw.io](https://terradraw.io)
- [Geomob Podcast - 226. James Milner: Terra Draw](#)