



*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

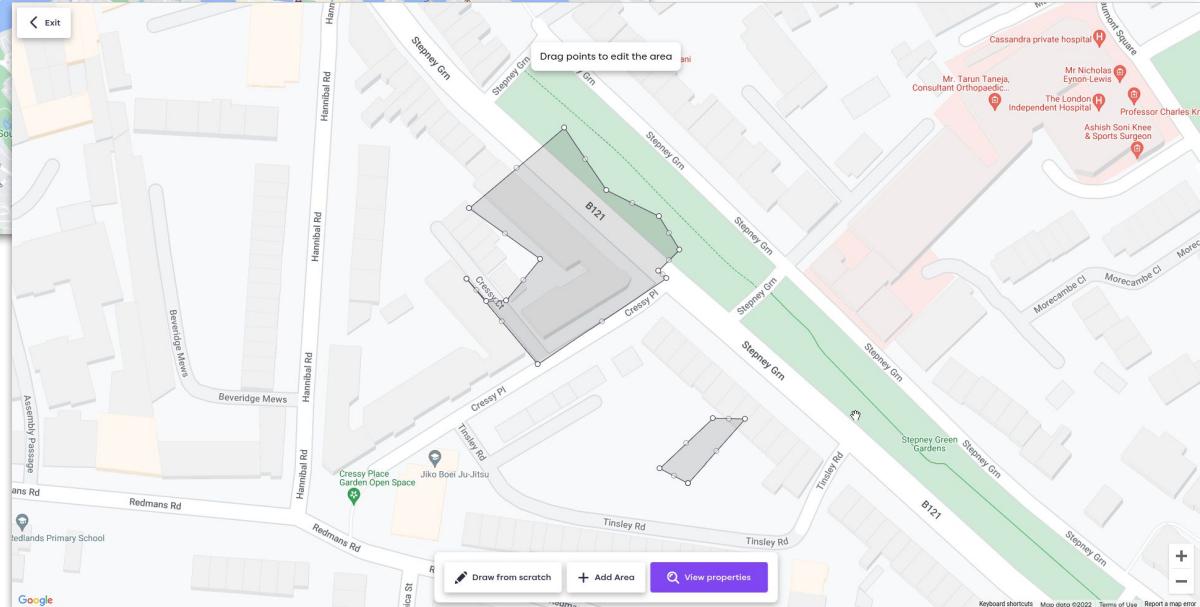
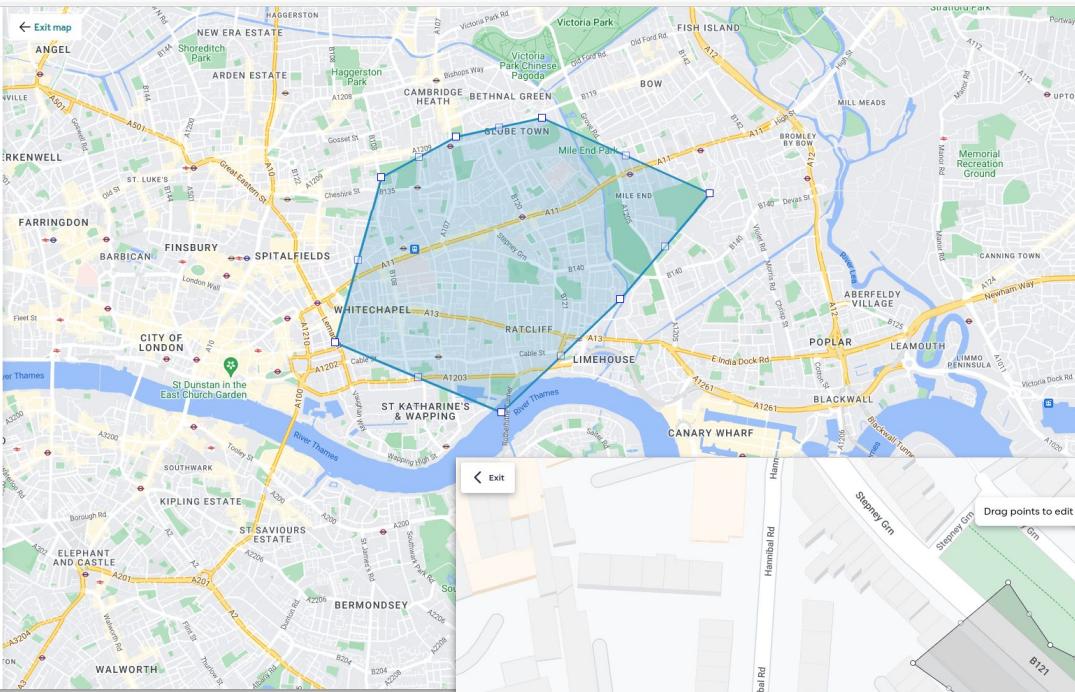
## My drawn areas



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](#)



# Terra Draw

Browser



Adapters

Mapbox

OR

Leaflet

OR

Google

Modes

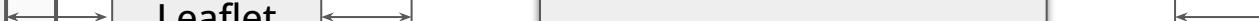
Polygon

Point

LineString

Select

Store



Select

Point

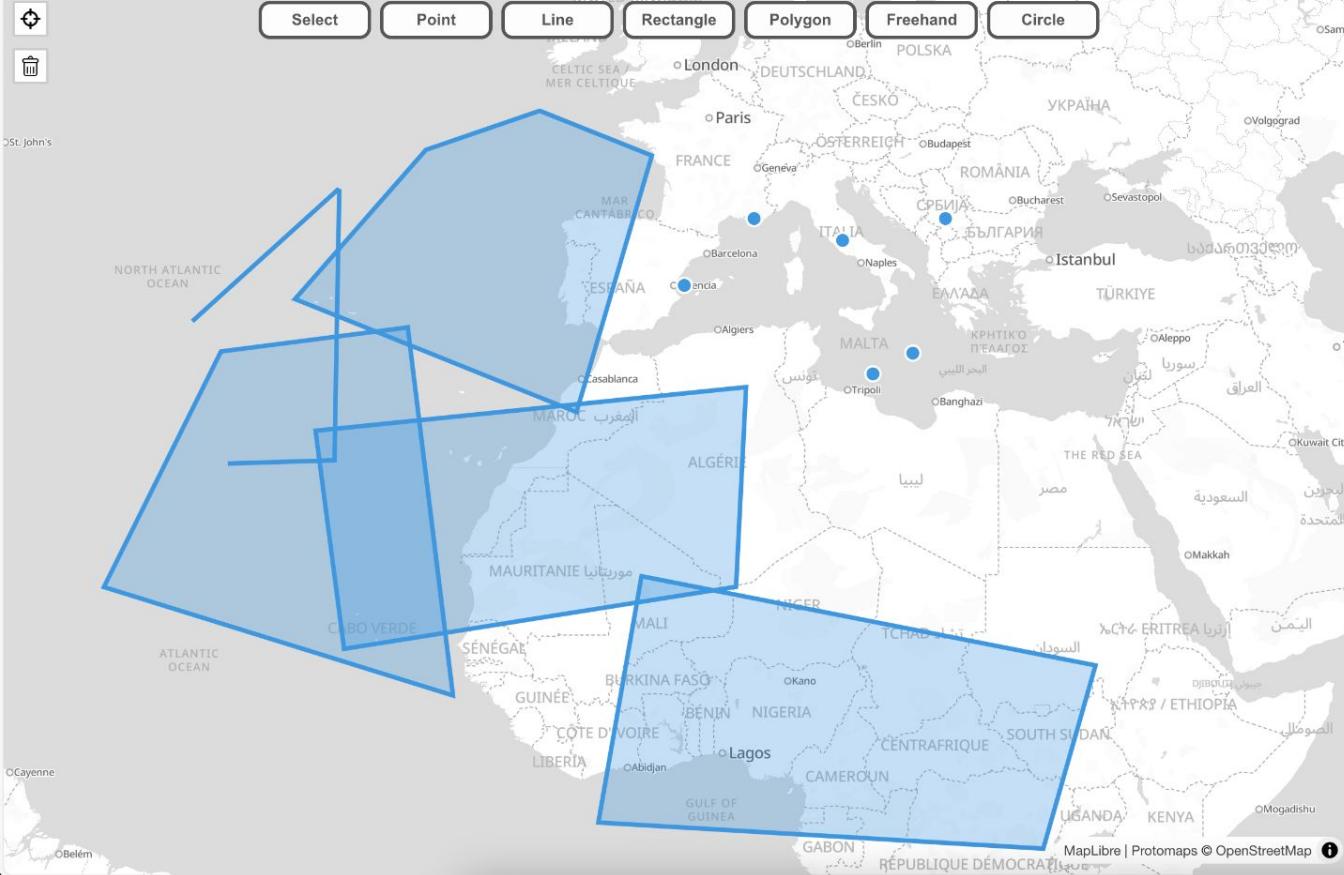
Line

Rectangle

Polygon

Freehand

Circle



## 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": { } } ] }
```

CopyDownloadGeoJSON

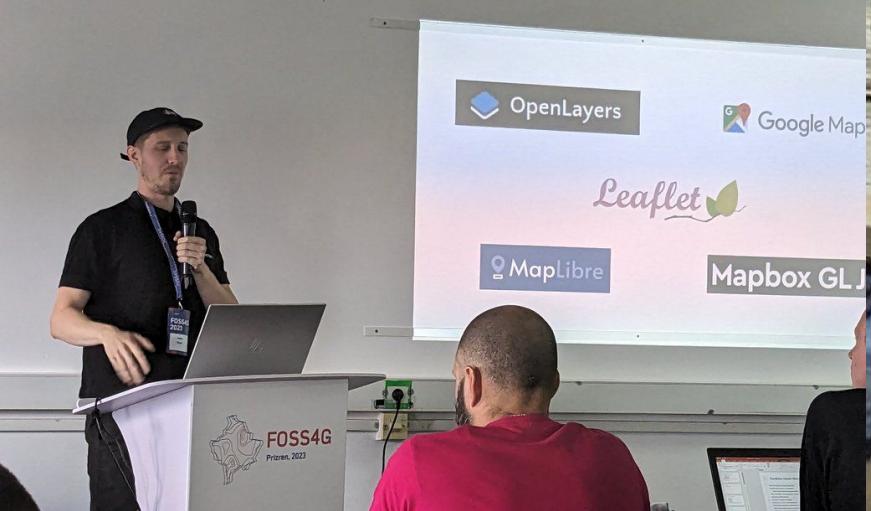
# Growing the Project

A person wearing a yellow hard hat and safety vest is working on a yellow wall, possibly made of blocks or concrete. They are holding a tool and appear to be applying something to the wall. The background is blurred, showing more of the yellow structure.

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



⟳  
10

1x

⟳  
30

00:00 / 00:33:18



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**ORACLE**





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](https://geomob.org/podcasts/226-james-milner-terra-draw)