The Map Frontend for Kerala Rescue

Aswin Mohan

How it all started

- Heavy Rainfall
- Human Error

- Flood starts turning bad
- Kerala Rescue is born from a simple django form

August 12 - 14

- Tons of Requests
- Tons of Contributors
- Tons of Features and Bug fixes for KR

Kerala Flood Map
- A website for getting the locations of the people who needs rescue.
- Also gets the current location of the rescuer so the nearest person who needs rescue can easily be found out
- Uses firebase to track requests
- Independent of Kerala Rescue

August 16 - First Half

- Still independent of Kerala Rescue
- Still working with an external database
- Still usimg Google Maps for displaying the Map
- Still in a buggy, alpha, barely working state

August 16 - Second Half

- Shows the Map to Vignesh (One of the guys behind KR)
- Use Open Street Maps instead of Google Maps.
- Then ...

August 16 - Third Half ;)

- Creation of the Slack group for the Map frontend
- Awesome Contributors and Contributions start rolling in
- Map appears on the official KR website

Going South

- Help starts pouring in
- Connects with the official database to map requests
- Maps slowing down since requests going through the roof

Help Help

- Help from lot of awesome Contributors
- Lot of good ideas from the Slack Group

- 22 Issues - 13 Closed
- 111 Commits
- 7 Contributors
- 11 Stars and 16 Forks

Awesome Contributors

bhodish
- Implemented most of the popup module
- Fixed a ton of issues
- Implemented the different views for Shelters, Camps and Rescue requests
- Also created afterflood.in

vignesh
- Pushed the build files to the production (which was a hassle thanks CORS)

anupvarghese
- Lot of performance Improvements
- Improve code quality and coverage

cijo7
- Implemented clustering which improved the page load time by magnitudes

appunni
- Improve code smells and implement best practices

edayan
- Fix warnings and runtime errors

gauravsaini
- Convert links to relative URL's

demisane
- Created a flood prediction map

Awesome OSS Stack

- React
- Open Street Maps

Finally

https://keralarescue.in/map/

Still in the dark

- Kerala Rescue played a pivotal role in the rescue operations
- Maps we're not sure

Lessons

- Humans are awesome

- How the general OSS model works

- Appreciation for the Contributors who make it all possible in OSS

- Always measure results

Thank You :D