



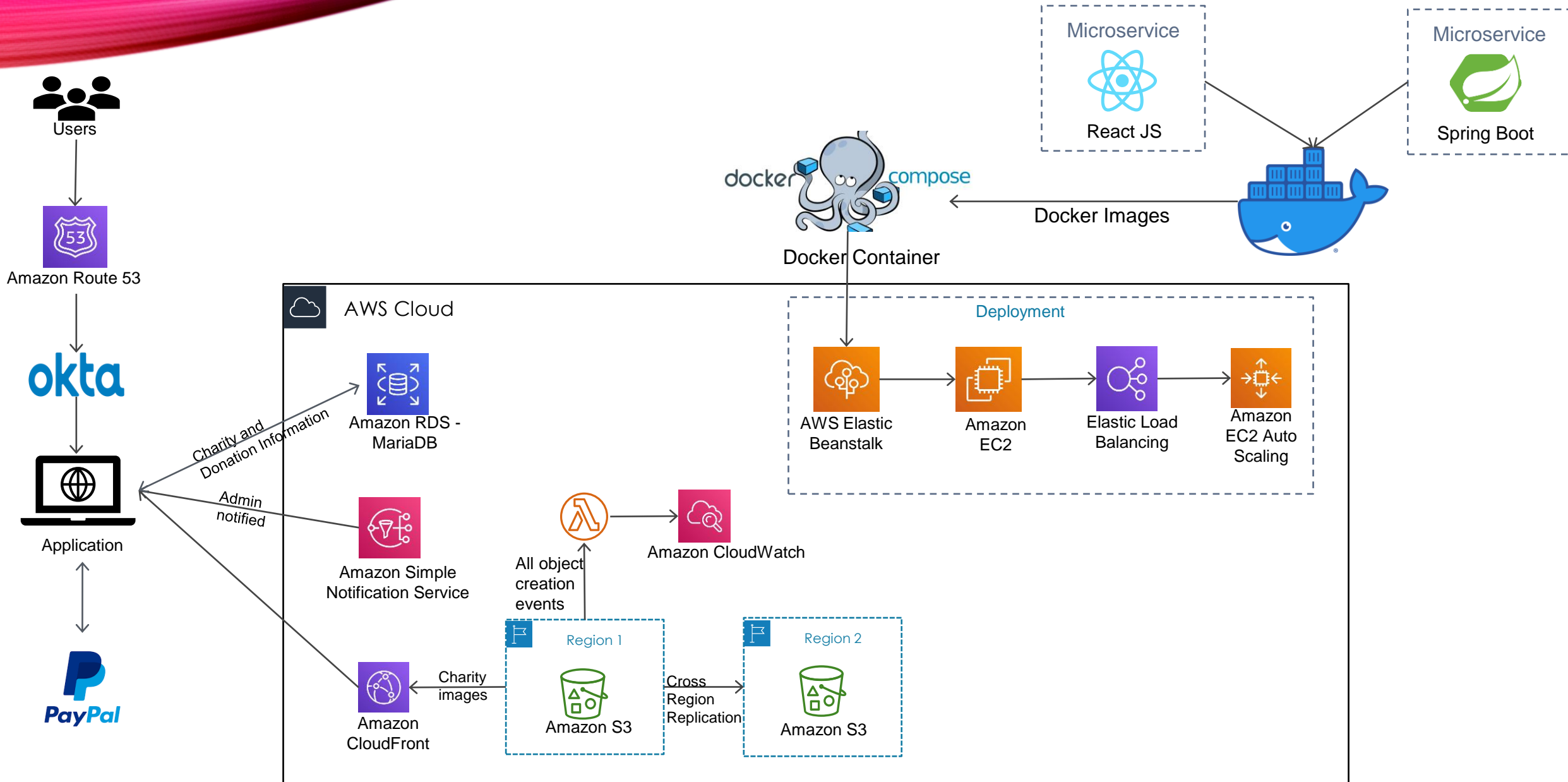
# RELIEF FUND

Team: **Techno Spartan**

# PROJECT IDEA

- Around 207 natural disasters were recorded in the beginning of 2020 this includes COVID-19, Wildfires, Hurricanes, Storms etc. As we are socially distancing right now due to pandemic, why not try to provide comfort to the needed through a small gesture by donating.
- Our team has created a platform for people to contribute to 501(c)(3) approved charitable institutions. This application denotes an organization which helps impacted people and animal rescue/shelter receive funds for restoration. Different charities can register on our application and get approved to receive donations from application users.
- Our application is called Relief Fund and it has 3 main features –
  - Spot Donation
  - Users can donate to already listed and approved charities
  - Charity institutions can join our platform

# ARCHITECTURE DIAGRAM



# TECHNOLOGY STACK

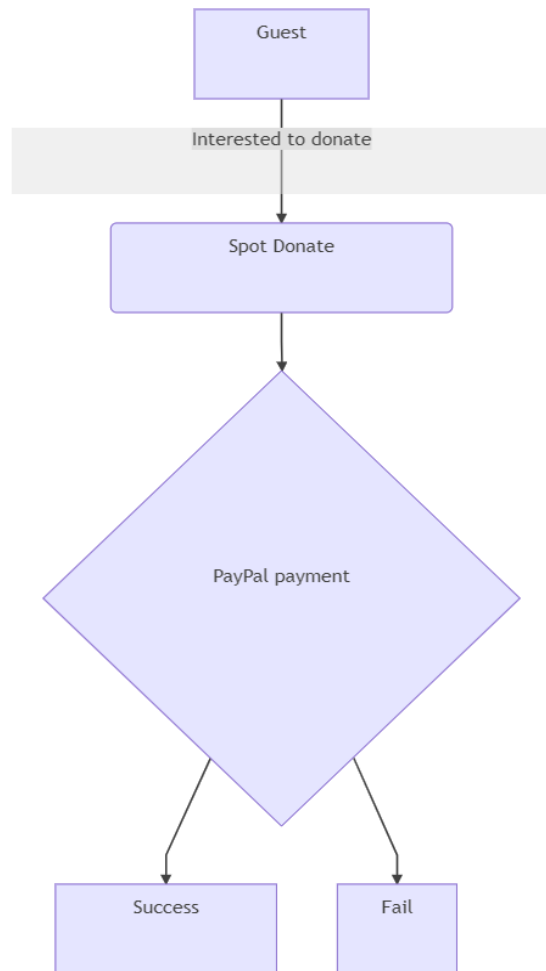
- Front-end – React JS, CSS, JavaScript
- Back-end – Spring Boot
- Authentication and Authorization – Okta
- Payment Gateway – PayPal Sandbox
- Database – AWS RDS MariaDB
- Images – AWS S3, Amazon CloudFront
- S3 Events – AWS Lambda, Amazon CloudWatch
- Notifications – Amazon SNS
- Deployment – Docker, Docker Compose, AWS Elastic Beanstalk

# FEATURES

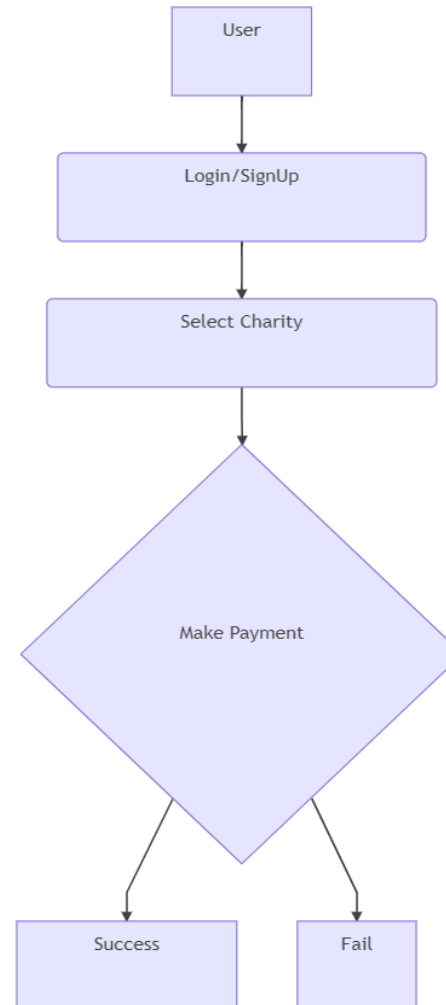
- Spot Donate
- User Registration and Login
- Charity Registration and image upload feature for charity
- Donate to multiple approved Charities
- Admin Panel to approve charities requesting registration
- Admin Panel display list of charities.

# USE CASES

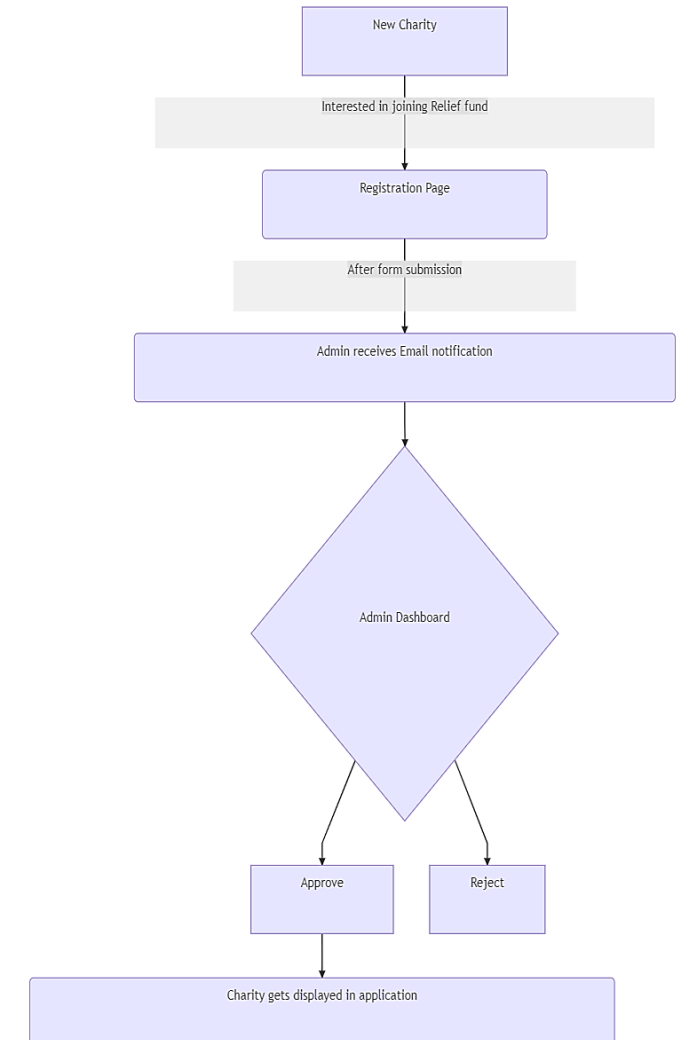
## Spot Donation



## Registered User



## Charity Registration





# REFERENCES

- Natural Disaster Information - <https://www.downtoearth.org.in/news/climate-change/more-than-200-natural-disasters-across-world-in-1st-half-of-2020-72445#:~:text=At%20least%20207%20natural%20disasters,all%20regions%20except%20the%20Americas.>
- Logos - <https://www.freelogodesign.org/>
- Use Case diagrams - <https://mermaid-js.github.io/mermaid/>
- Front-end - <https://reactjs.org/>
- Back-end - <https://spring.io/>
- UI styling - <https://www.w3schools.com/>
- PayPal Sandbox - <https://developer.paypal.com/developer/accounts/>
- Authentication and Authorization - <https://developer.okta.com/code/react/okta-react-sign-in-widget/>



**Thank You !!**