

Anuraksha entre (((sos)) Anuraksha entre ((sos)) अनुराक्षा

Local responders network for emergencies

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Problem Statement

The need for a local responders network for swift help during an emergency via accessible technology

Problem Elucidation

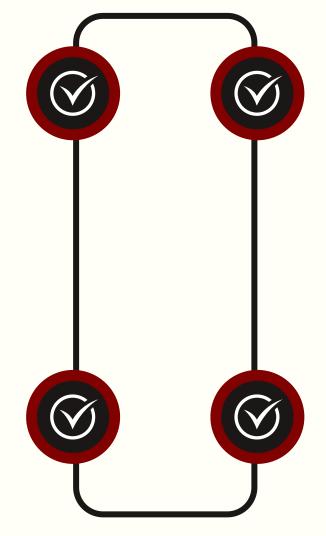
Existing support systems fall short during emergencies, leaving individuals and their close ones overwhelmed. Immediate help is necessary, yet lacking.

There is a need for a network of <u>rapid responders</u> within local communities, facilitated by <u>accessible</u> technology.

Existing emergency systems remain fragmented, underutilized, and lacking integration, hindering faster and more reliable assistance where it's most needed.

Objectives

Strengthening local emergency response with accessible technology to address existing system deficiencies.



Utilizing accumulated data, we aim to analyze high-risk areas through heatmaps, bolstering long-term prevention efforts for community safety

Achieve a user-friendly experience and provide comprehensive multilingual support

Keeping contacts informed, rallying nearby helpers swiftly, and promoting targeted interventions for better emergency management.

Proposed Features



Rapid Volunteer Response Network



Send instant SOS alerts to saved emergency contacts



Gathering data on time and location for future analysis

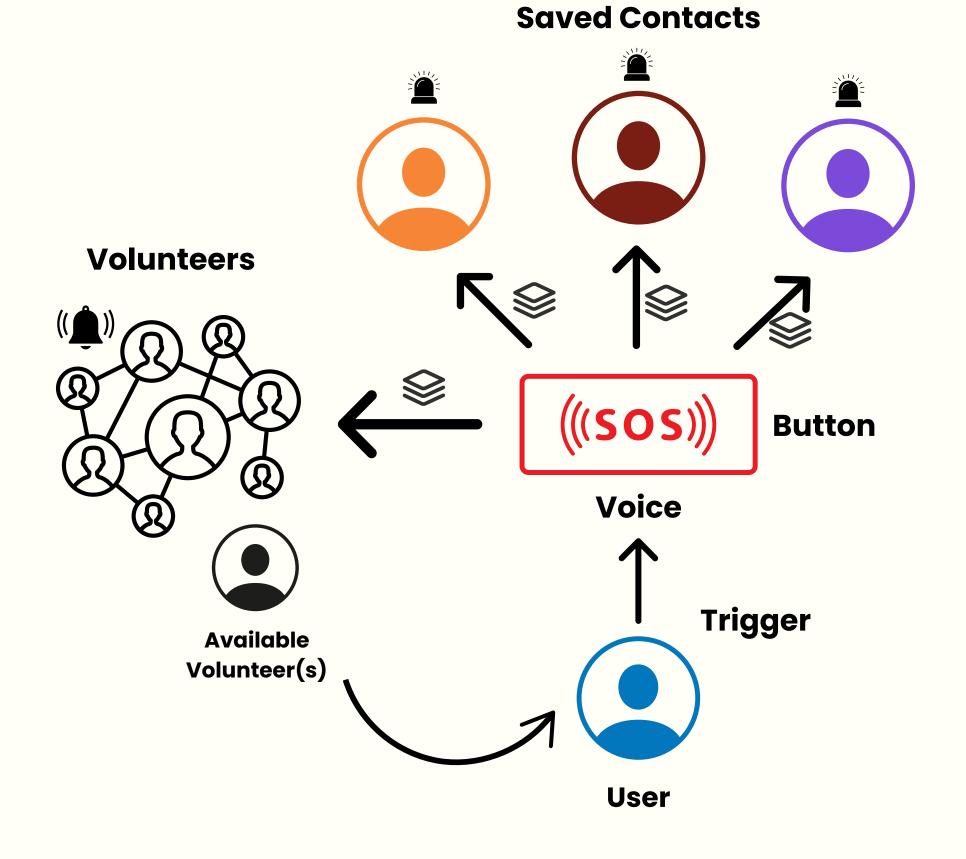


SOS Alerting with Location Tracking



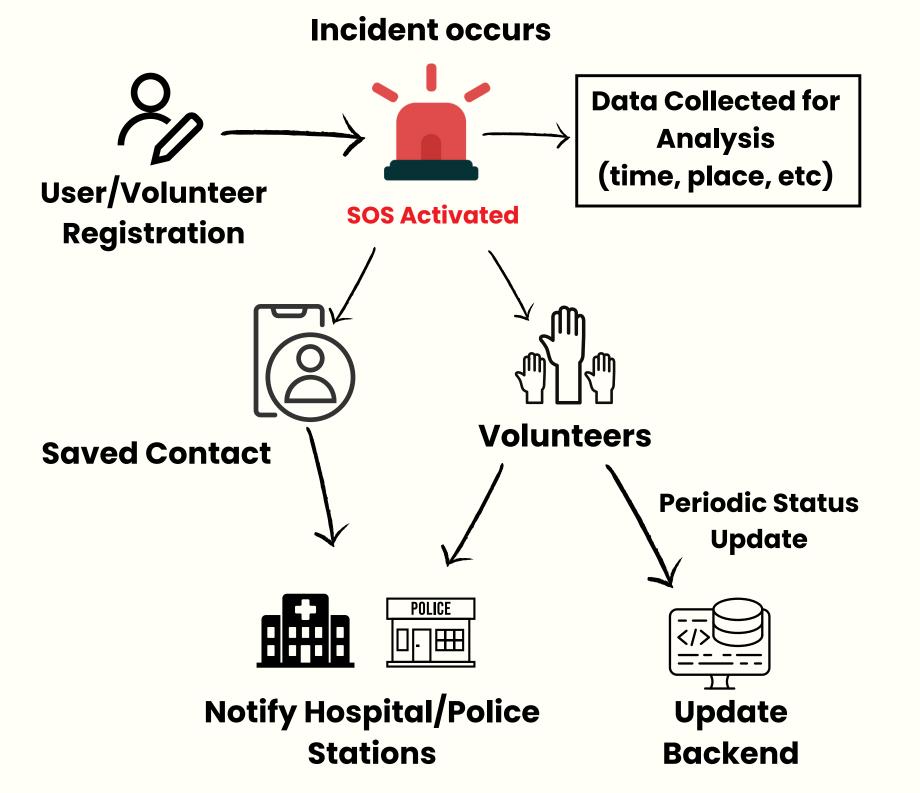
Generate heatmaps to target high-risk areas

Client Workflow



Client Workflow

Application Workflow



Application Workflow

Tech Stack

Backend

- Node.js
- Express.js
- GraphQL

Frontend

- React.js
- Typescript
- Tailwind CSS

Data and Storage

- AWS RDS (PostgreSQL)
- AWS S3
- Local/Session Storage

Infrastructure

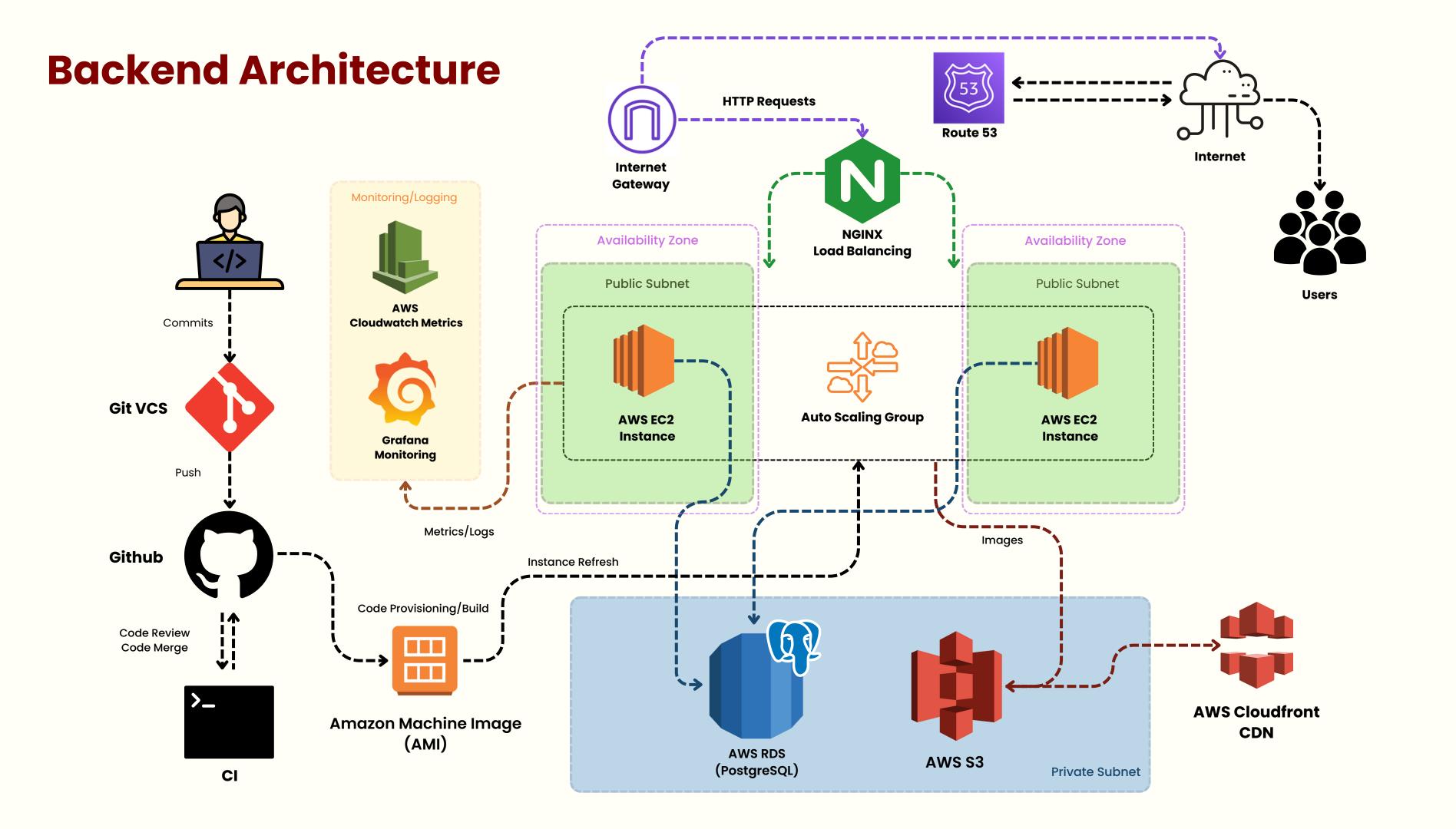
- Route53
- Cloudflare
- Nginx
- EC2 Instances
- AWS Cloudfront CDN

API/Services

- Google Maps API/SDK
- Messaging APIs (Fast2SMS, Ultramsg, Twilio)
- Browser API's

Monitoring

- AWS Cloudwatch
- Grafana
- Pm2



THANK YOU