

RescueReady

Empowering Users in Emergencies - Your Lifeline in Natural Disasters,
Connecting You to Rapid Volunteer Search and Rescue Teams!"

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**DURING NATURAL
DISASTERS, EMERGENCY
LINES ARE OFTEN FLOODED
WITH THOUSANDS OF CALLS
AT A TIME**

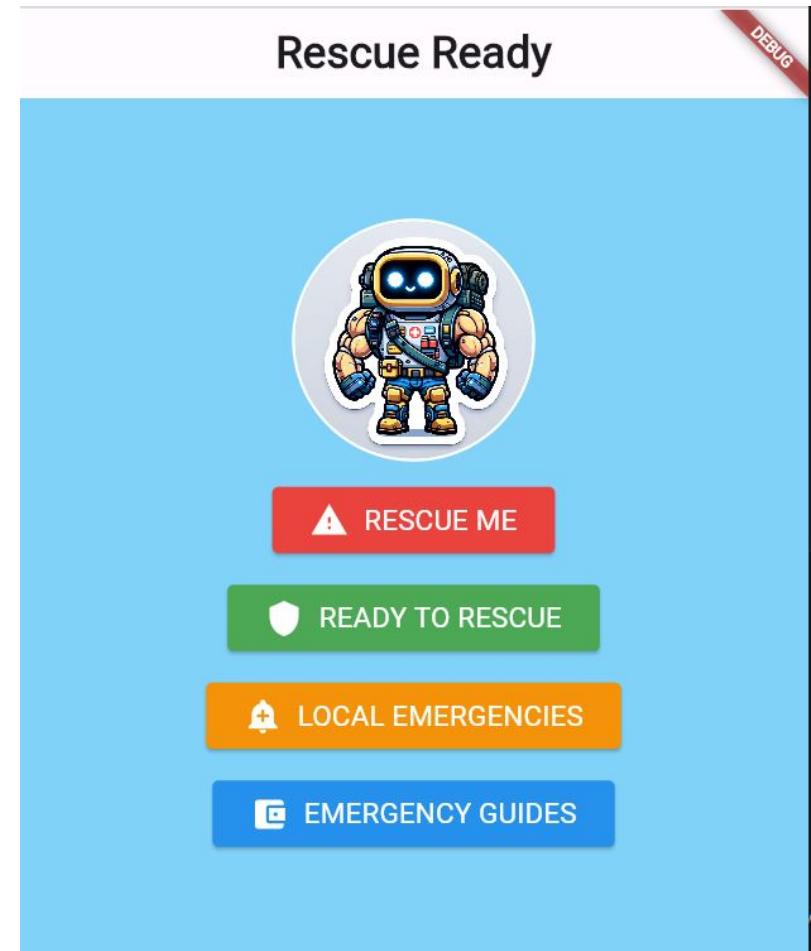
Introducing: RescueReady

**Clear communication
lines and save lives!**



What is Rescue Ready?

- **Rescue Ready empowers a network of search and rescue volunteers to find people who may be trapped, injured or stranded**
- **Users can submit a Rescue Request with their details**
 - **This instantly updates the map with all current requests**
- **Rescuers can view all Rescue Requests and seek out those in need of help**
- **Includes consolidation of local BC emergency resources**
 - **Live BC Disaster map**
 - **Emergency guides**



What Inspired RescueReady?

- BC Forest fires, Haiti Earthquakes, Abbotsford Flooding, etc.
- In 2022, the Emergency Event Database EM-DAT recorded 387 natural hazards and disasters worldwide, resulting in the loss of 30,704 lives and affecting 185 million individuals
- Individuals may find themselves in perilous situations without immediate access to help. This app aims to fill a crucial gap by providing a lifeline to those who are stranded, stuck, or in distress amid the chaos of a disaster.



Key Features

Location Sharing



Shares user location with Volunteers / Teams to allow for Offline Tracking and resource allocation depending on severity and number of shared locations in hazardous area

Volunteer Coordination



Enables 3rd party volunteers, relief aid, and rescue teams to coordinate and support in a calculated manner

Real-time Hazard Tracking



Allows for easy access into BC Emergency Map to see their surround natural disasters and hazards



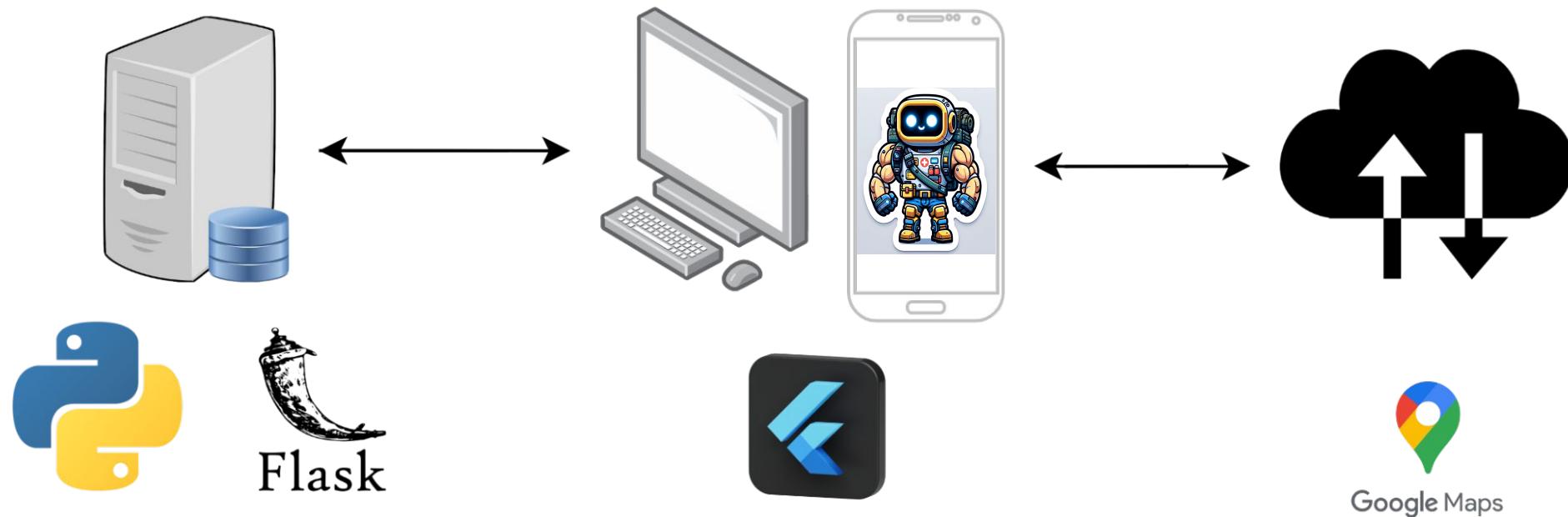
Rescue Recovery

How was it made?

Tech Stack



Tech Stack



User Scenarios

Earthquakes

Taking cover under your desks, all exits from your location are blocked-in by rubble and you need search & rescue to find you trapped amongst the rubble



Floods

Your house has flooded! You quickly ran to the roof of your home, and now await for rescue to arrive via boat.



Landslides

You were out hiking and a landslide has occurred! You are now stuck on the edge of a cliff, waiting for a helicopter evacuation



Difficulties & Challenges



- **First Time using Flutter**
- **Google maps routing**
- **Deployment**
- **Dependencies**
- **Git Management**

Plans to improve RescueReady

BC Emergency Map

Merging BC Emergency Map with our application to simultaneously display concurrent information

01

Accounts

Can verify groups of rescuers or relief aid based on login credentials. Separate between rescuer and

02

ML Predictive Analysis

Analyze historical data, weather patterns, and other relevant information to predict potential disaster occurrences and improve early warning systems

04

Collaboration

Establish partnerships with official emergency services to streamline the integration of "RescueReady" into existing emergency response systems

03



05

Offline Mode / Mesh Networking

Implement offline mode and mesh networking capabilities to facilitate communication between nearby devices, creating a decentralized network for information exchange.

DEMO





Thank you

Be alert to disasters and take proactive steps to reduce your vulnerability.

Any Questions?