

DiseaseWatch

Team StraightOuttaKengeri

Anirudh K M | Aravind B S | Ashmita Raju

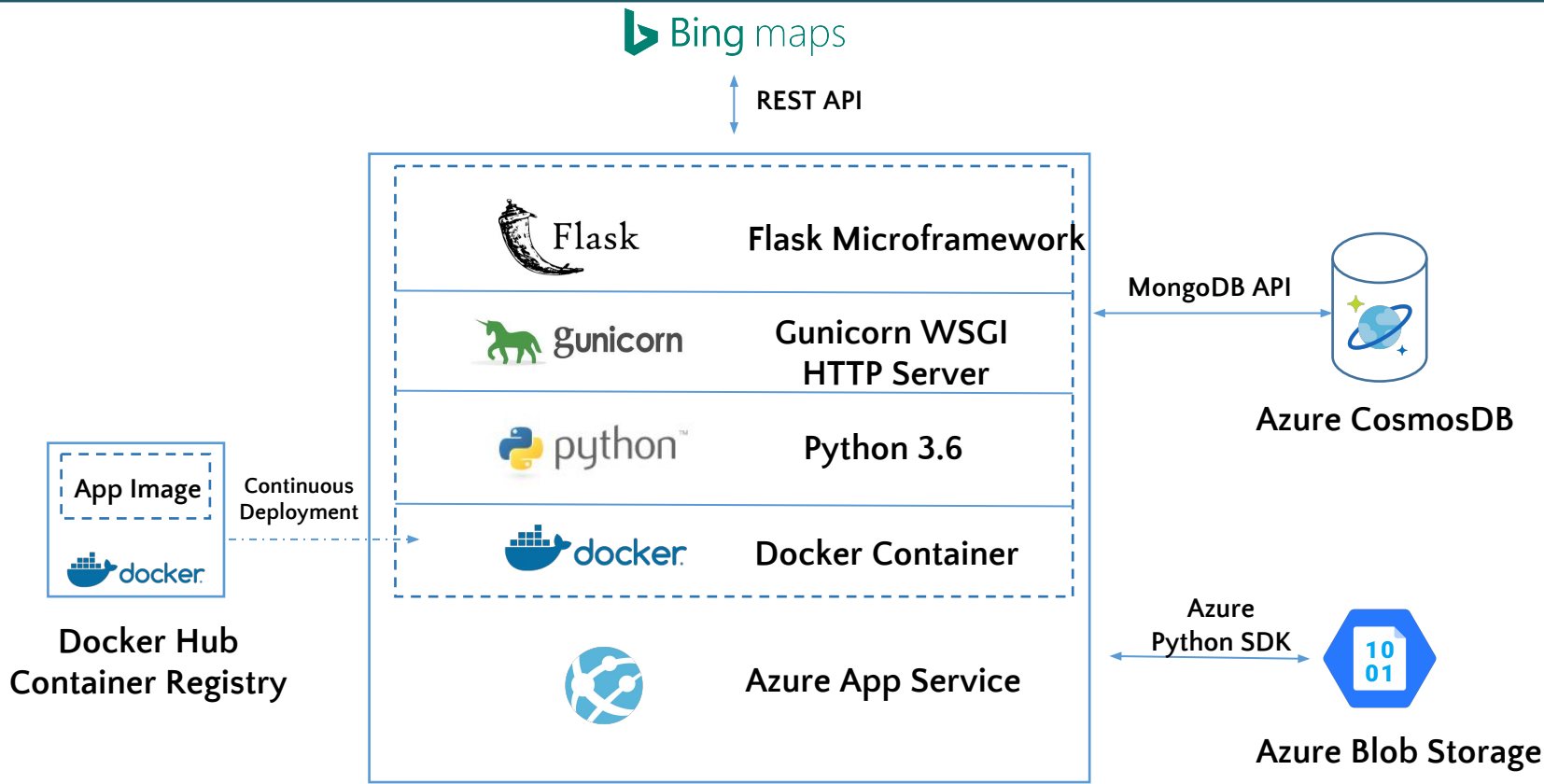
Epidemics

- There have been 9 major epidemics of infectious diseases in India since 2006, and have had a death toll of over 50,000 over the last decade, worldwide.
- Early preparedness and Government initiative could provide epidemic prevention and control capabilities, and potentially save thousands of lives annually.

Our Idea

- Health care professionals report diseases/ deaths due to a potentially infectious disease at a location.
- Users are provided with a map of the infectious disease outbreaks near them.
- Users are notified when the number of cases rises above a limit.

Architecture



Key Functionalities

- View outbreaks near your current location.
- View outbreaks in a particular city.
- View a global map of all the outbreaks.
- View symptoms/precautions of a particular disease.

Use of Azure Services

- Azure App Service
- Bing Maps API
- Azure Cosmos DB
- Azure Blob Storage

Future Work

- Adding an SMS module which allows a user without internet connectivity to send an SMS to a number and receive the required information via SMS. (Could not be done since there are no free SMS services in India currently)
- Pharmacies are given a portal similar to the healthcare professional portal to enter details of drugs purchased. (Could not be done due to lack of drug names dataset)

Impact on public

- If Governments take an initiative which enforces all hospitals and healthcare bodies to use our App, information about epidemics can reach users and relevant agencies faster.
- Agencies can use this data as a one-stop application to store information which can further be given to news reporters etc.
- This gives the public a much larger perspective which can help keep themselves safe.

Thank you.

Visit us at
<https://diseasewatch.azurewebsites.net/>