CollectiveGood

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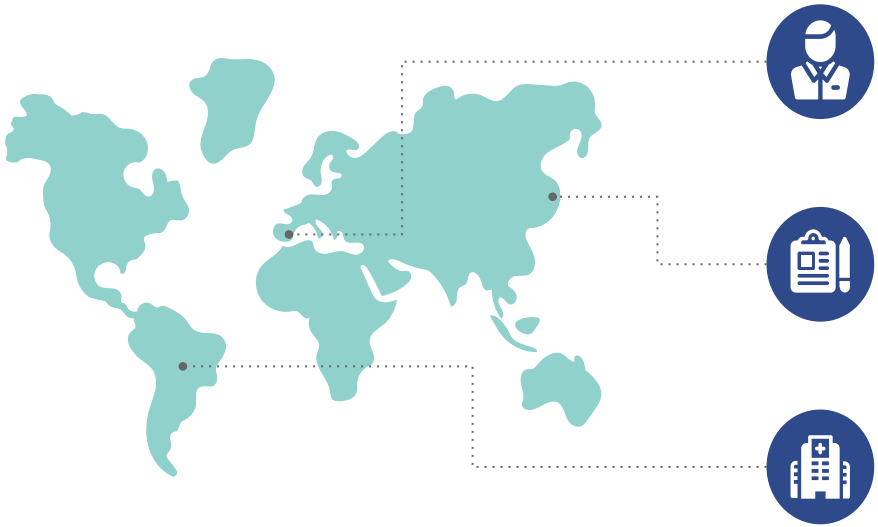
Introduction



Collective intelligence is a growing power in the medical field. While this power is easy to harness in urban areas, it is difficult to establish in rural areas.

CollectiveGood aims to develop a collective database of medical information that can be shared as diagnostic support throughout the world.

Our Web Application features

01.

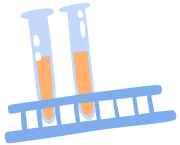
Upload raw data of medical case studies and create case study cards

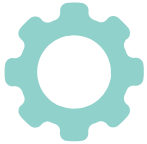
02.

Validate case study cards filled out by other users

03.

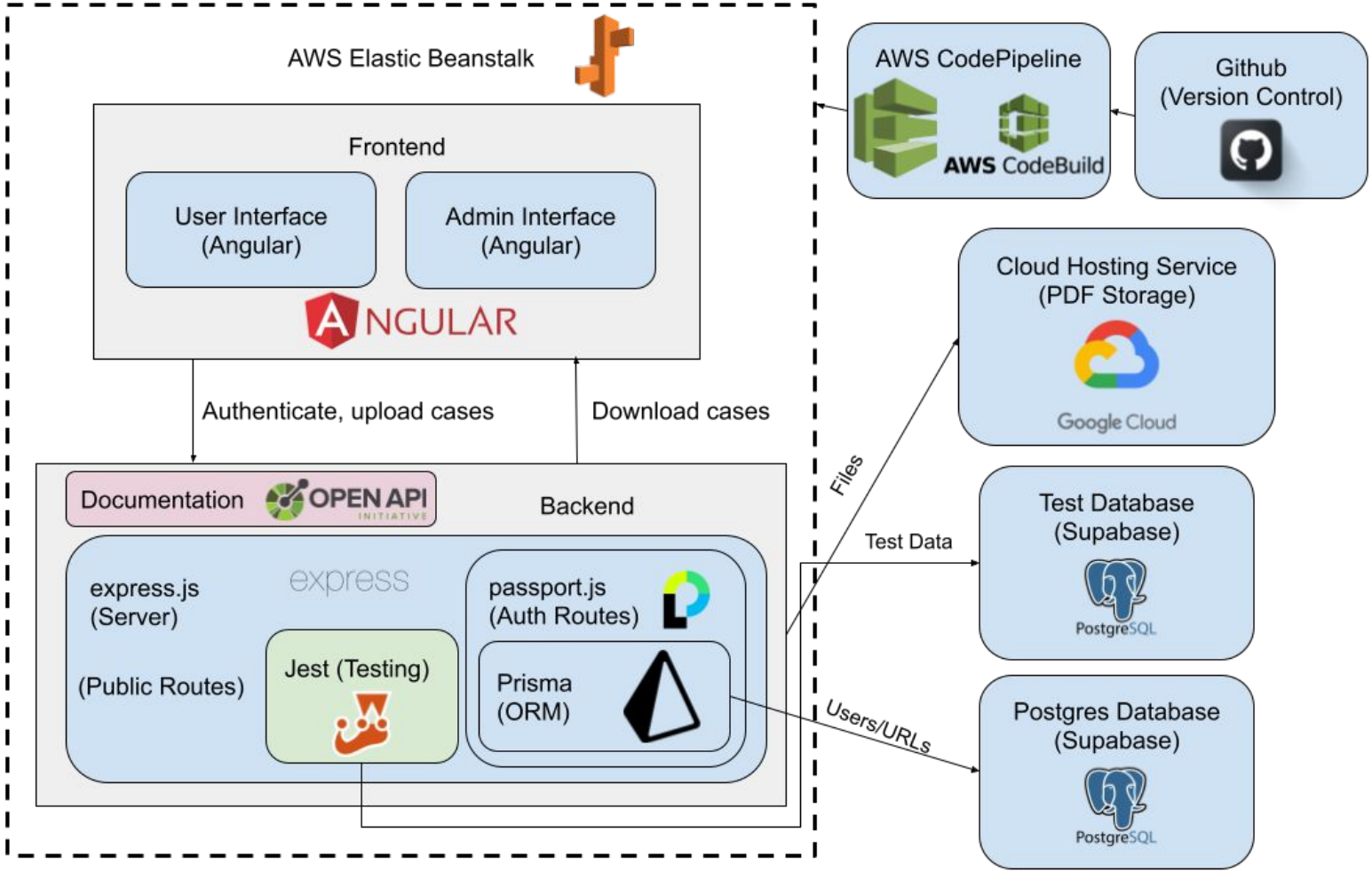
View completed case study information for diagnostic support





02.

Architecture Diagram


AWS Elastic Beanstalk
Frontend
User Interface (Angular)
Admin Interface (Angular)
ANGULAR
Authenticate, upload cases
Download cases
Documentation
OPEN API
INITIATIVE
Backend
express.js (Server)
express
(Public Routes)
Jest (Testing)
passport.js (Auth Routes)
Prisma (ORM)
AWS CodePipeline
AWS CodeBuild
Github (Version Control)
Cloud Hosting Service (PDF Storage)
Google Cloud
Files
Test Data
Test Database (Supabase)
PostgreSQL
Users/URLs
Postgres Database (Supabase)
PostgreSQL

Platform Tools

Google Cloud

Time for a
Demo

Changes and Lessons Learned

Cloud Services

Google > AWS

Project Management

Scheduling conflicts, To-do lists, communication preferences, frontend/backend lead roles

Client Pushback

(or lack thereof)

Client was extremely flexible and understanding

Documentation

Necessary specifications and documentation are not to be underestimated

THANKS!

Do you have any questions?

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