

For solidary and strong communities

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Sana comes from the verb *sanar* in Spanish, which means healing. We firmly believe that serving our communities has healing powers on an individual and collective level.

Sana Team



ABOUT 01 SANA

Product description and functionality



Meet Sophie

ABOUT SANA

A platform where users and organizations alike can create profiles and match with people based on what their needs are and what they can provide. Think of it as a need connector.





I want to serve my community, but when my schedule permits, I don't know where to look!

HOW IT WORKS



- 1. Create a Profile
- **2.** Write a Post or browse through the forum

New Post
Content
Categories
☐ Financial Literacy
Transportation
Productivity Mindfulness
Healthy Habits
Academics/Tutoring
Language Learning
Other
Post anonymously?
Check to post anonymously, leave unchecked to use your name.
Requesting help?
Check to request help, leave unchecked to offer.
Save

3. Request a Match to give or receive help

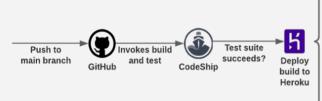


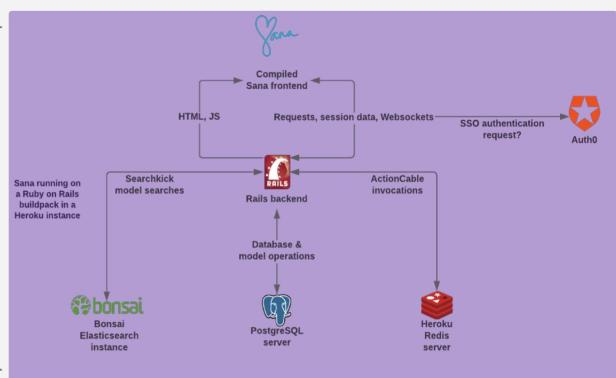
02 ARCHITECTURE

Basic app architecture



ARCHITECTURE







INTERESTING 03 ENGINEERING

Technologies and gems used to spice up our app







TOASTS/ALERTS

Bootstrap Popper.js JQuery



SEARCH

Kaminari Searchkick Elasticsearch



AUTH + SSO

AuthO Bcrypt Gravatar



NOTIFICATIONS

Stimulus CableReady ActionCable + Redis



MATCHING

StimulusReflex Hammer.js Animate.css

PASSWORD

ActionMailer

ADMIN PANEL

RailsAdmin

DESIGN

Font Awesome

04 CHALLENGES

Technical and non-technical challenges



SERVERS

Ensure that Redis,
Postgres and
Elasticsearch were
running
simultaneously

INTEGRATION

Integrate
Elasticsearch and
Searchkick with
filtering

MESSAGING

The Twilio chat
API was
deprecated, so we
created a similar
feature

CHALLENGES

TESTING

Ran into errors when simulating signing in with fixtures

MERGE CONFLICTS

Created multiple branches, and had to resolve merge conflicts continuously

REAL-TIME REACTIONS

Had difficulty showing real time reaction to posts without re-rendering page



Finding the correct gem, learning how it works and realizing how to integrate it with the app was another important challenge



05 REFLECTION

Features we are proud of and future steps



WHAT WE ARE PROUD OF

When a user's post receives a reply, they receive an in-app notification

REAL-TIME NOTIFICATIONS We customized bootstrap using CSS to create a unique design

USER INTERFACE

Users can request a password reset and be provided with an email to do so

PASSWORD RESET Rigorous testing is applied to controllers, models and features

TESTING

The match confirm/deny page uses a swiping feature

MATCHING UI

The search and filtering feature integration

SEARCH FEATURE



Overall, we are very proud of the great application we developed and hope to see it benefit our community





With more time, we would have

Added new APIs

- Google Maps organization and user location connecting
- Factory_Girl optimize our testing strategy
- Globalize useful to expand impact to non-English speaking communities
- Use more StimulusReflex further realtime refreshes, engagement without refreshes

Implement a badges system to reward user engagement and community involvement

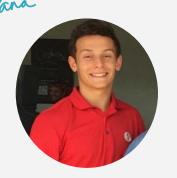
Machine learning to find relevant posts for users. For example, if 90% of the time a user comments on specifically financial literacy posts, we could make those types the top posts for them to see and even recommend them

FUTURE STEPS



OUR O5 TEAM

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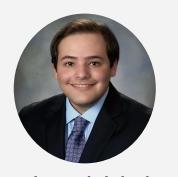
Aaron Portman

CRUD operations for posting and replying
Enabling mailing capability for password reset
Creating functional seed data
Implemented reactions



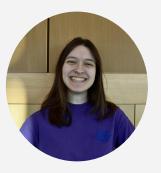
Nicole Zamora

CSS files, layouts and customized bootstrap - front-end
Logo design and final UI
Co-developed paper prototype
Implemented Search and Filter functionality
Incorporated category system
Initial Seeding of data



Adam Fleishaker

Deployment and CI/CD with Heroku and Codeship CRUD operations Initial Figma wireframe External gems and libraries Real time notifications, alerts Matching and messaging Native and SSO authentication



Sarah Baum

Implemented the test suite
Developed profile views and
organization system
Co-developed paper prototype
Implemented critical sections of
match backend logic



THANKS!

