MICHIGAN STATE UNIVERSITY

Beta Presentation

MSU – HFH Research Synergy Vanguard Portal (RSVP) 2.0

The Capstone Experience

Team Henry Ford Innovations RSVP

Owen Nyenhuis

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Aaron Breese

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From Students…
…to Professionals

Project Overview

- Facilitate MSU & HFH collaboration with a matchmaking platform

- Develop mobile app version of the website

- Improve front-end intuitiveness and back-end performance

- Ensure seamless automatic updates of user data

Team Member's Technical Tasks

Technical Tasks Assigned

- Owen Nyenhuis
  - Design front end and integrate back end of suggested, bookmark, login, sign up, contact, messages mobile pages
  - Implemented swiping back-end functionality
  - Implemented toast messages for clarity to the user on mobile
- Andriy Tryshnivskyy
  - Design mobile search page front end and integrate the back end
  - Add advanced search functionality into mobile search page
  - Implement swiping animation throughout the mobile app
- Nika Ghasemi Barmi
  - Implement Microsoft Authentication option for user login
  - Elasticsearch calls to filter search results by department/specialty
  - User engagement graph on admin
- Spandana Kodali
  - Design front end and integrate back end of profile, profile overview, research papers mobile pages.
  - Add edit/add/remove options to profile and research papers
  - Questions page editability and functionality
- Felipe Marques Allevato
  - Implemented the automatic code rebase server
  - Implemented adding and removing features for admin
  - HFH and MSU scraping scheduler

Aaron Breese
  - Implemented messaging system on back end and website
  - Improve induvidual response time for back-end calls
  - Create SQL databases for messages and users

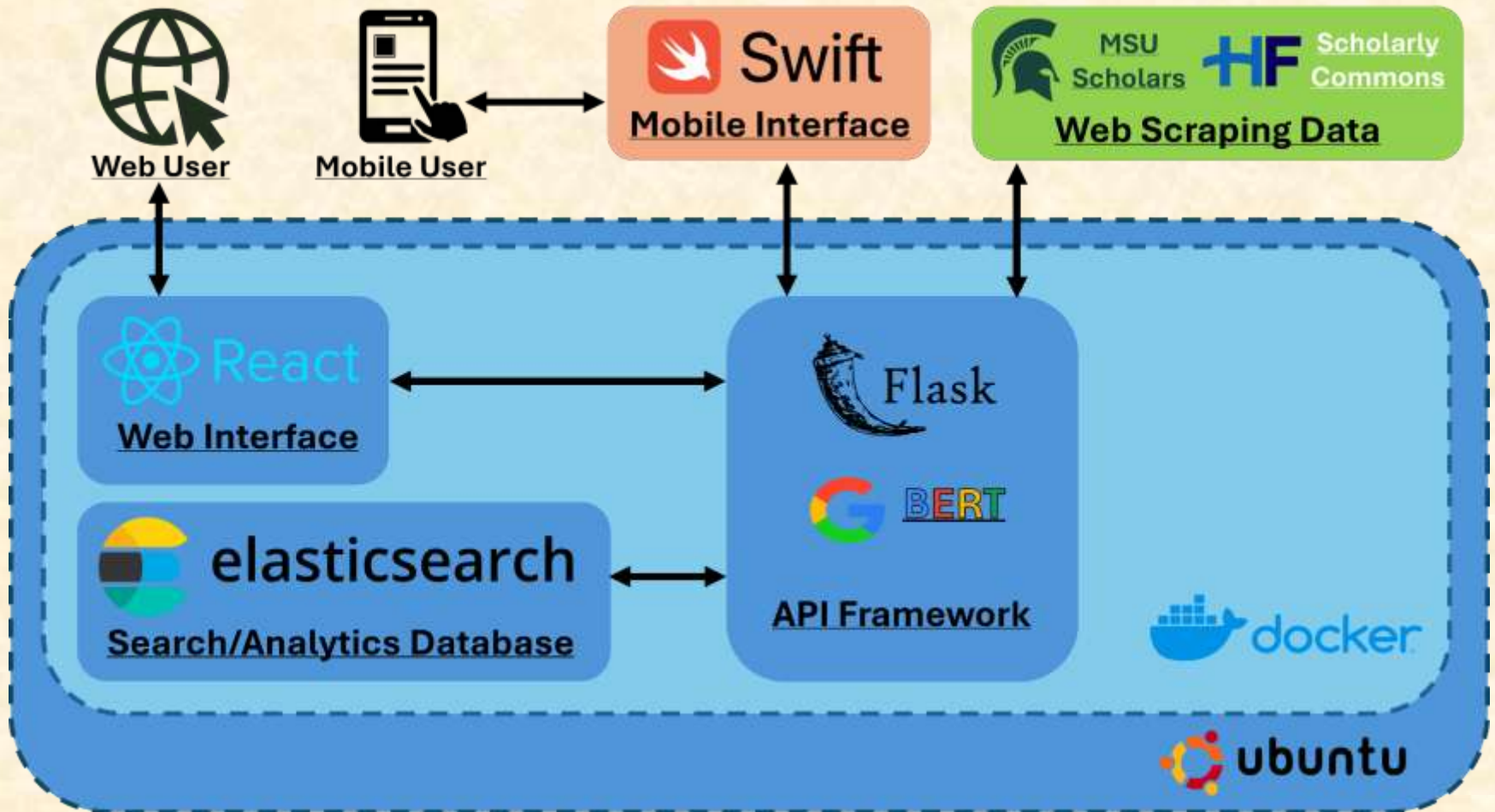**Technical Tasks Completed**

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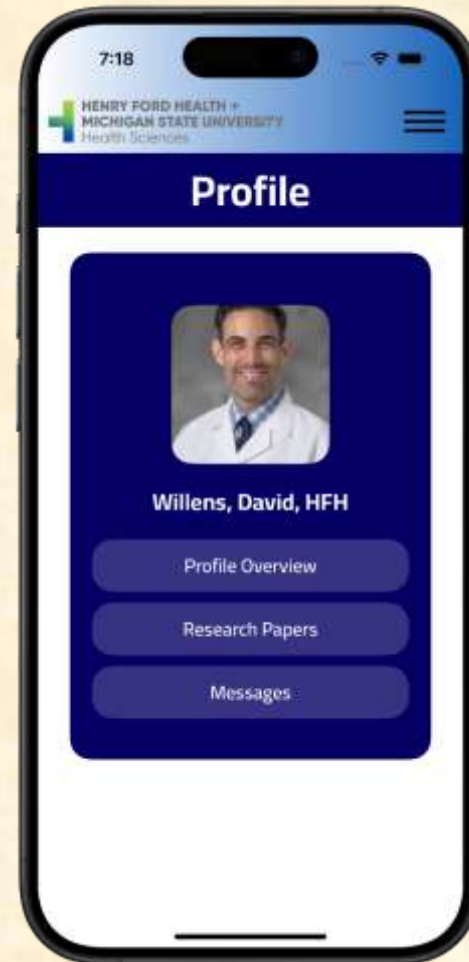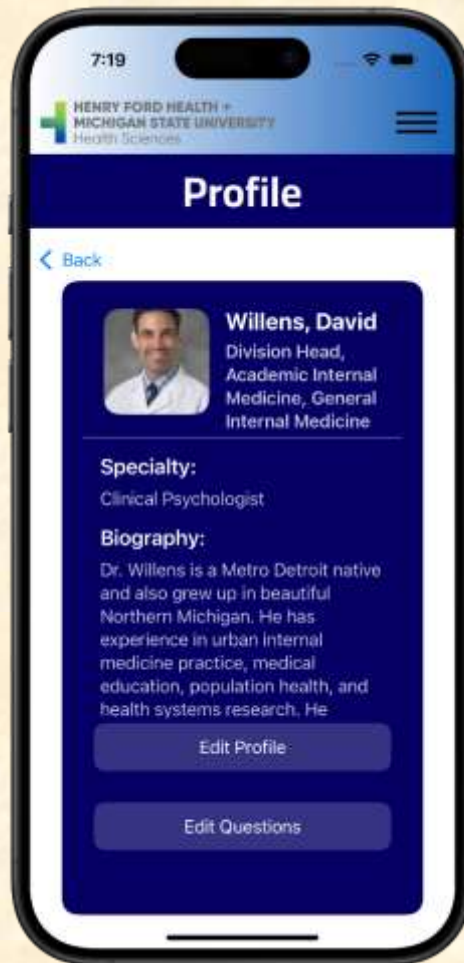 - HFH and MSU scraping scheduler

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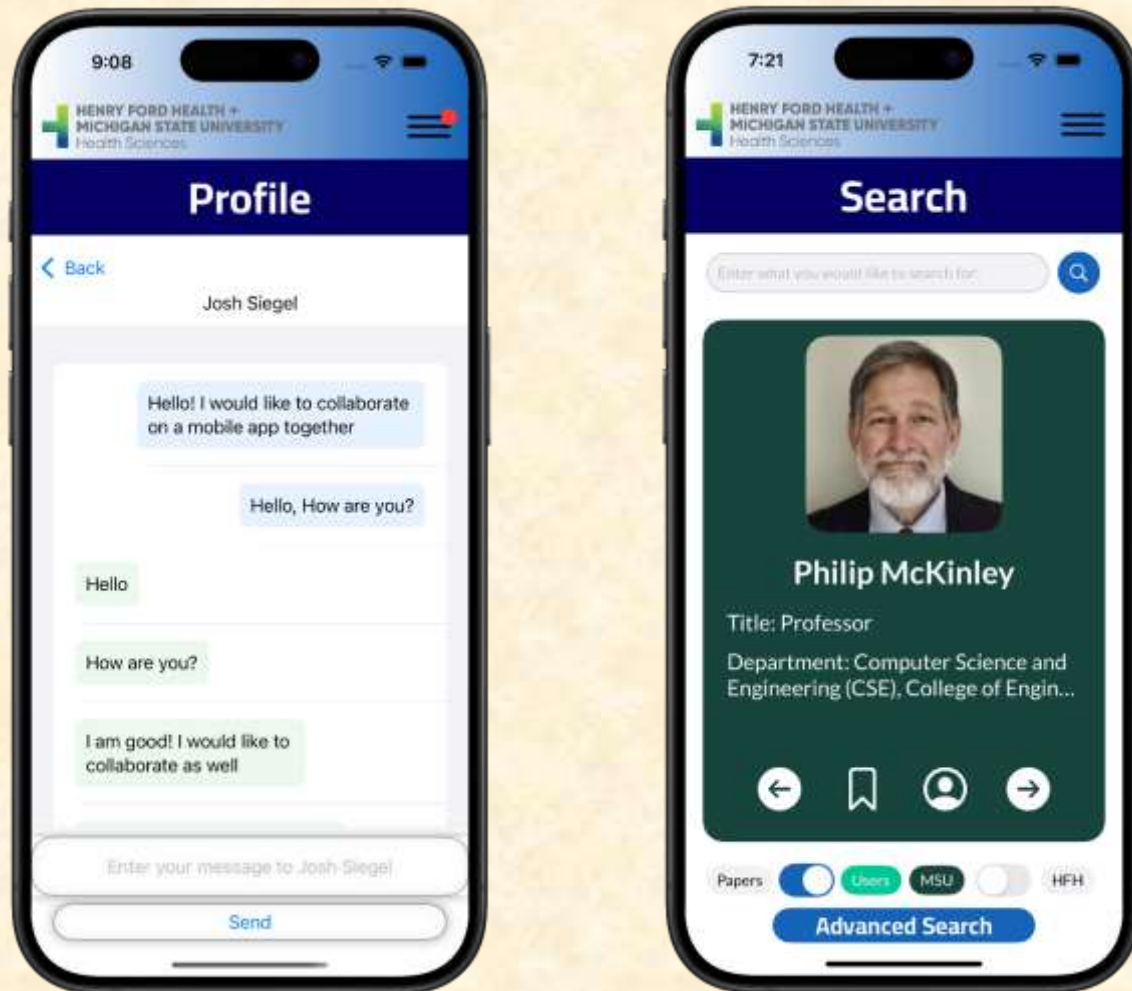
System Architecture
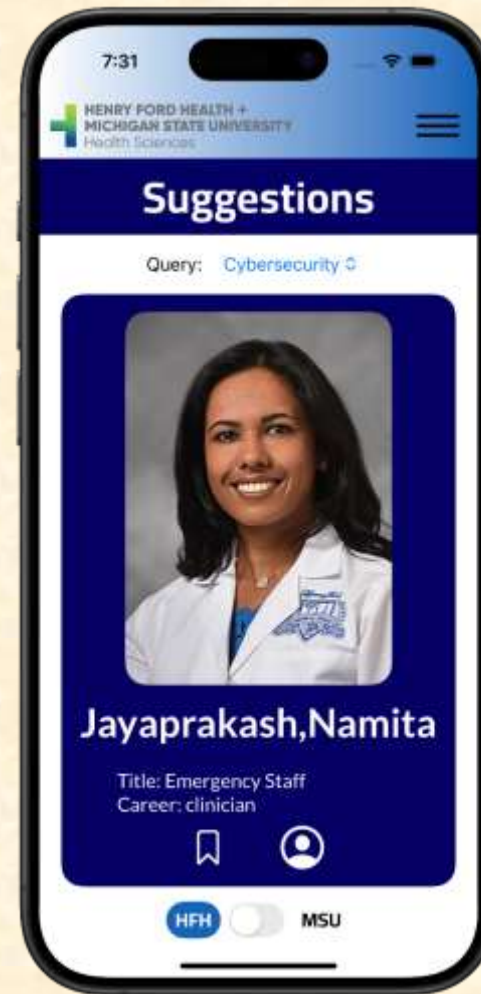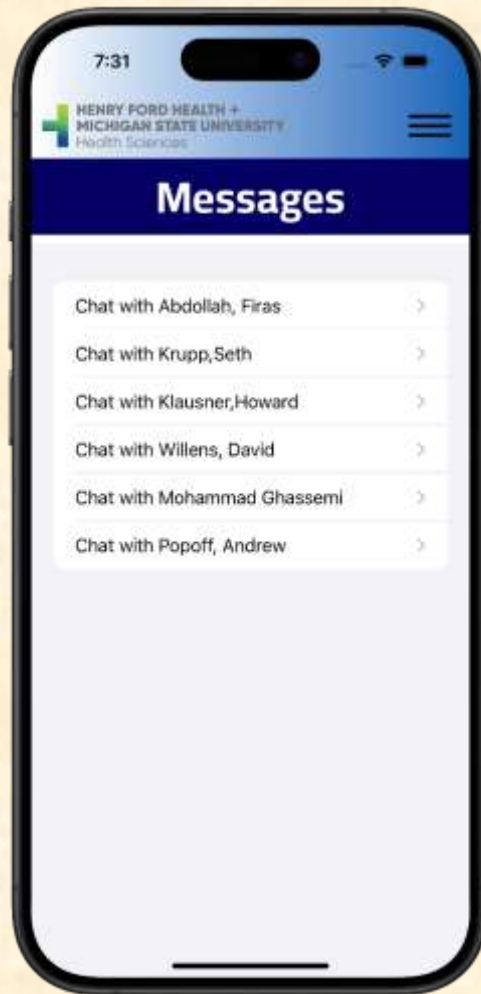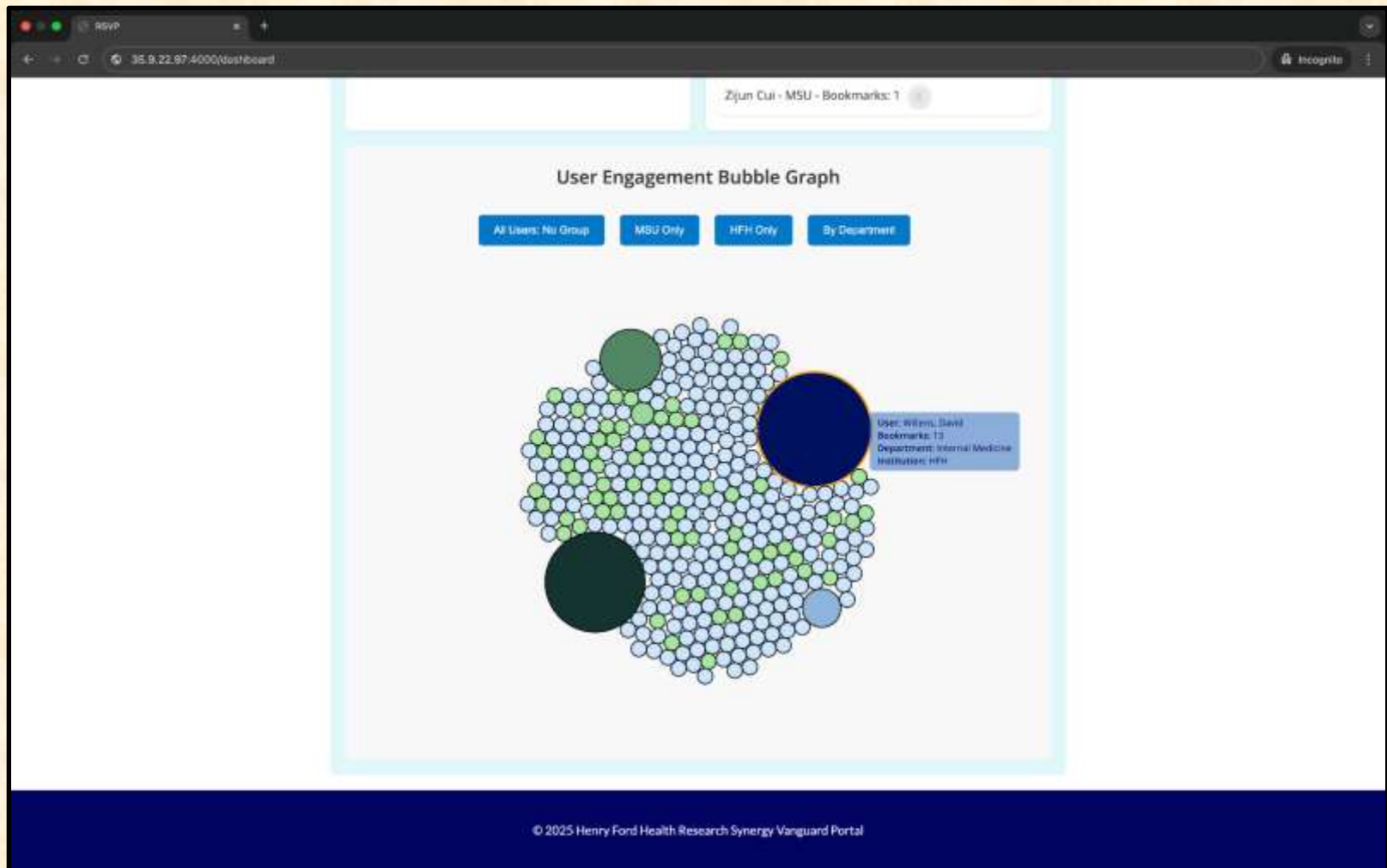
Mobile Profile Pages

Chat + Mobile Semantic Search

Mobile Suggested + Messages

Admin POV Webpage

What's left to do?

- Stretch Goals
  - Notifications
  - Ability to change profile picture
  - Additional admin insights
  - Different suggestion methods
- Other Tasks
  - Small UI tweaks on website and mobile
  - Improve API call efficiency
  - Fix small discrepancies in scraped data

Questions?