Summary:

The project involved developing a web application which can used to search addresses of physicians / clinics in desired areas. It also has provision to allow patients to reviews their physicians.

Technologies:

Django1.5, Python2.7, GIT, jQuery, Google API, GeoDjango, PostGREsql, Radius/Location Search

About our Client:

Client: Confidential | **Location:** US | **Industry**: Healthcare

Description:

This web application was developed to allow patients to search for doctors and rate and add reviews for them. To begin with, profiles for physicians were auto created on the site using an automated cron job. How a cron job operates is that it first scrapes physician data from several publicly accessible websites and sends invites to their corresponding email addresses. The physicians then have the prerogative to sign up on the site and own and approve their profiles.
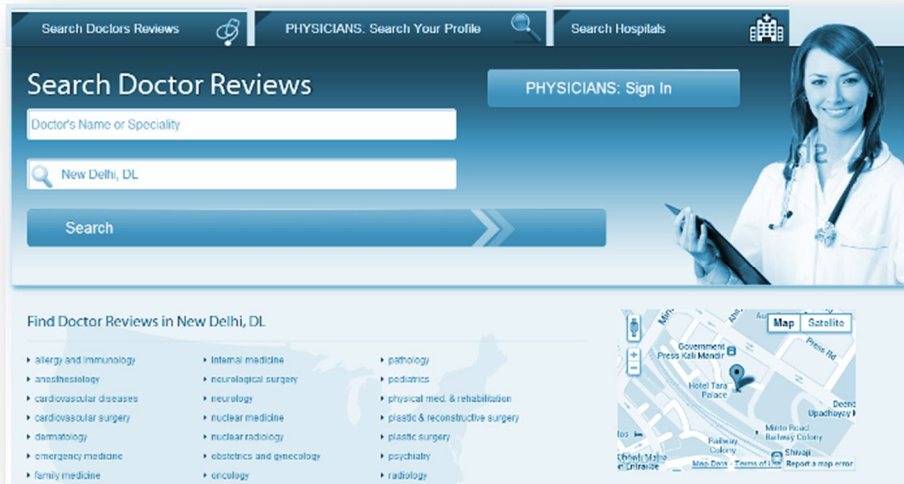
The system allows Physicians to generate unique pins for their patients to add reviews for them. The patients can use the pins assigned to them and provide their feedback for specific physicians by visiting the site and clicking on their profiles. The physicians are given the privilege to publish or remove any of the reviews given to them. If no action is taken by a Physician for 72 hours on a review then the same is auto published to their profile. Patients can upload images while adding a review and the corresponding physicians have to approve these images to show on their profiles.

This application implements a radius based search which allows patients to enter their preferred location and determine addresses of physicians/clinics for an area. The radius of the area to be searched can be modified based on need. The application can also detect a user's location and prefill the location box for the user. The user can then search the doctors based on

distance specified from a location, as well as select a filter on specialties. The application also remembers a users' last locational search and the corresponding results. This makes it easier for the users, on their next visit to the page, to continue from where they left off search further.
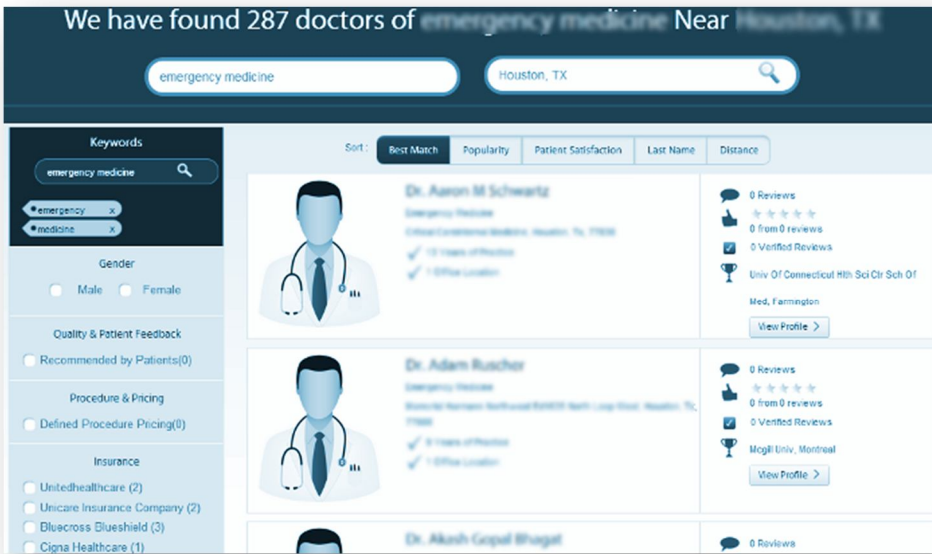
An HTML5 based widget was also created for the physicians to include on their personal websites. The widget connects the physician's website to our application and allows the last 3 reviews from our site to show on the physician's website. Some "Call to Action" buttons were also implemented as well as templates (HTML) for email notification on various actions. For instance, when patients enter reviews, email notifications are sent with some buttons in the emails to allow the physicians to manage their reviews from the emails.
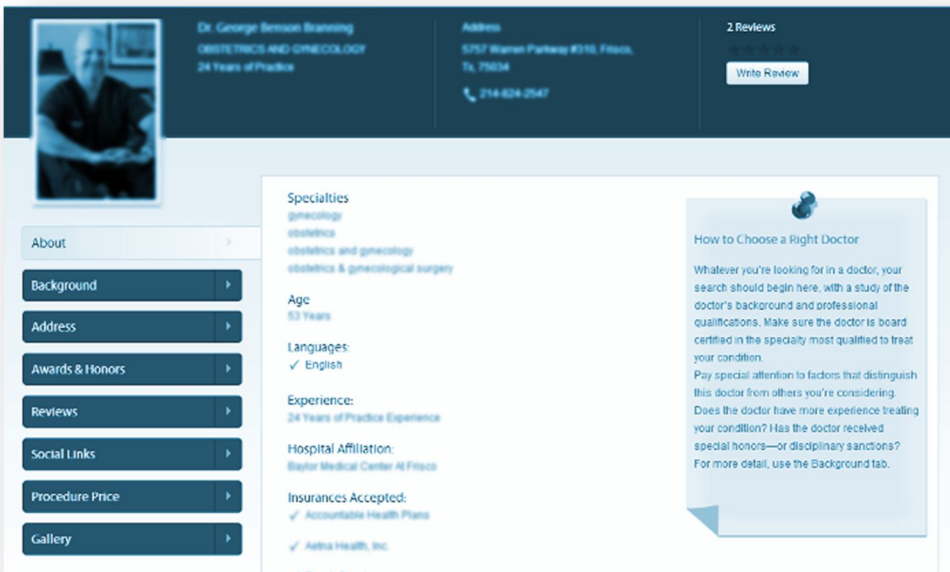
Screenshots:

Screen 1: Main Screen

This screen has 3 tabs – one for searching reviews given to physicians, one for physicians to search for their profiles and the last one for searching hospitals. Filtering criteria made available is in terms of specialization e.g. radiology, dermatology etc.

Screen 2: Search Screen

This screen shows the list of physicians for a certain specialty within a specified area

Screen 3: Physician Screen

This screen shares details specific to a physician. There is provision to refer to past reviews and share new ones.