Chouette-Social

A cool way to reach major social networks from one place

App URL -> (https://chouette-social.heroku.com)

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Use Case

Chouette-Social is a little application that I created for the CloudSpokes' *Ruby Social Network Status Updater* contest.

Attached Screen shots show how it works. (Figure 1 – 15)

1. Create a new account on Chouette-Social, simply by sign-on to any of the four social networking sites. After you validated / accepted, you will automatically have a new account on my application. (Figure 1, 2)
2. You have the option of adding more services, as in attaching more social networking services to your account, e.g. Chatter, Facebook, LinkedIn, Twitter. (Figure 5, 6, 7, 8, 9) *Note: Chatter/Salsforce is associated with a specific organization. I am working on letting user directly enter their consumer key/secret pair during the authorization process, allowing my application to be accessible to multiple Salesforce organizations.*
3. Post to any or all of the social networking sites. Checkboxes of providers becomes visible, after you have added that service. As in, if you have authorized Chatter & Twitter, you will only see those two and not LinkedIn and Facebook. (Figure 3)
4. See your posting is successful (Figure 4, 11, 12, 13, 14) Note: sometimes, there is a lag in the updates of social networking sites. If you don't see your feed posting immediately, wait 30 seconds and refresh the screen. This will refresh your post updates. Also, verify on Chatter per (Figure 15).
5. When you want to login again, you can use any of the services that you have attached to your account. (Figure 10)

One big advantage of my application is that, by login into one of the accounts, you can post to all services associated with your account. For example, in your browser, you are currently login to Facebook, but not Chatter, Twitter, and LinkedIn. However, with my application, you can post to all 4 sites at once. This is done through the use of refresh tokens.

This app uses several GEMS, *omniauth*, *fb_graph*, *twitter*, *linkedin*, as well as my own gem *ASF-REST-Adapter*. The app shows that the REST protocol is really simple to use for managing all your objects in the cloud DB providers (e.g. FB, Chatter, Twitter, and LinkedIn). The lesson is that if you can leverage off existing data-models, just do it. It is much better to reuse than to reinvent the wheel.

Source code is provided in the zip.

To modify the application, or to set up your own copy, do the following:

1. Modify the $Rails_root/config/environment.rb and use your own consumer key/secret pairs for each of your application.
2. Modify $Rails_root/config/environments folder, there are the development.rb and production.rb file. Update those two file and point to your callback server.
   `OmniAuth.config.full_host = `_`https://your-app.heroku.com`_
3. Update your settings in Chatter, Facebook, LinkedIn, and Twitter per figure 16, 17, 18, 19
   a. In general, the callback should be set to https://your-app.heroku.com/auth/:provider/callback, where :provider is of LinkedIn, forcedotcom, or Twitter.
   b. Facebook is different, you need to set both the Site URL, and Site Domain, as in Site URL -> https://heroku.com and Site Domain -> heroku.com. Note due to a known conflict with Facebook and OmniAuth GEM, OpenSSL should be set to NOT VERIFY. Otherwise, it will complain about `OpenSSL::SSL::SSLError`
   c. Normally, Heroku runs in production mode -> so update the _production.rb_ file. You local app runs on https://localhost:3000, -> so update the _development.rb_ file.
4. Deploy to heroku, In your App's root directory, do the following.
   a. $ git add .
   b. $ git commit -m 'deploying to heroku'
   c. $ heroku create --stack bamboo-ree-1.8.7 -remote chouette-social <or your app name>
   d. $ git push heroku master
   e. $ git remote add heroku git@heroku.com:chouette-social.git
   f. $ git push heroku master
   g. $ heroku rake db:migrate
   h. $ heroku addons:upgrade logging:expanded
   i. $ heroku addons:add ssl:piggyback
   j. $ heroku logs –tail
   k. $ heroku open (This starts a web-browser pointing to your application)
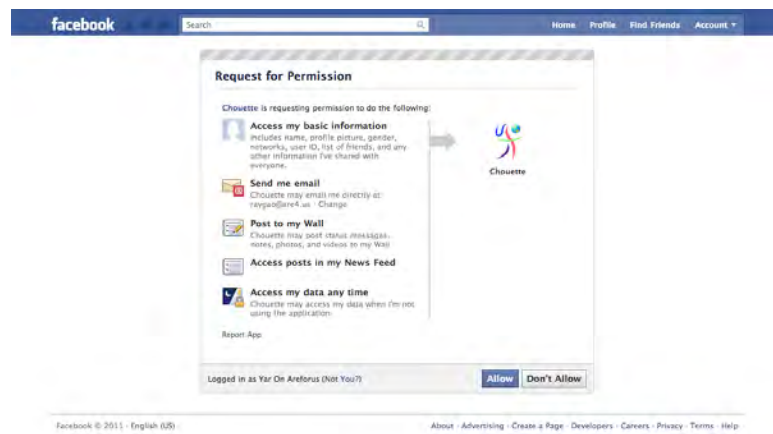
Figure 1 Authorize with Social Network, e.g. Chatter, Facebook, Linked, and Twitter
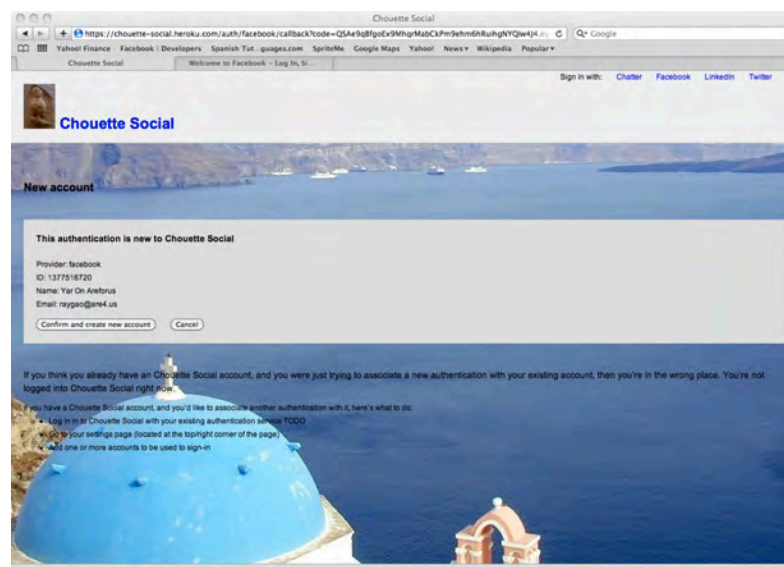
Figure 2 Authorization is Successful - Create an Account
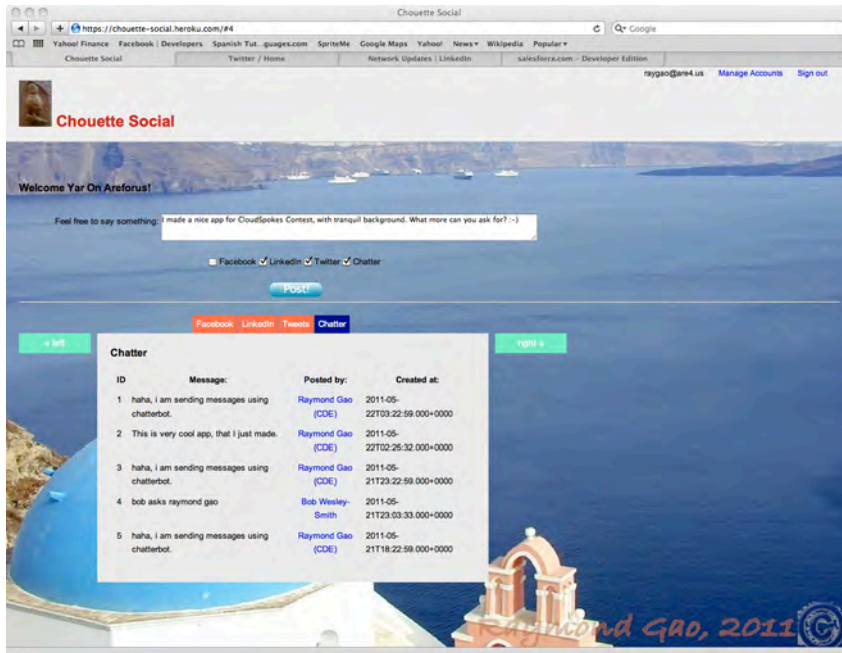
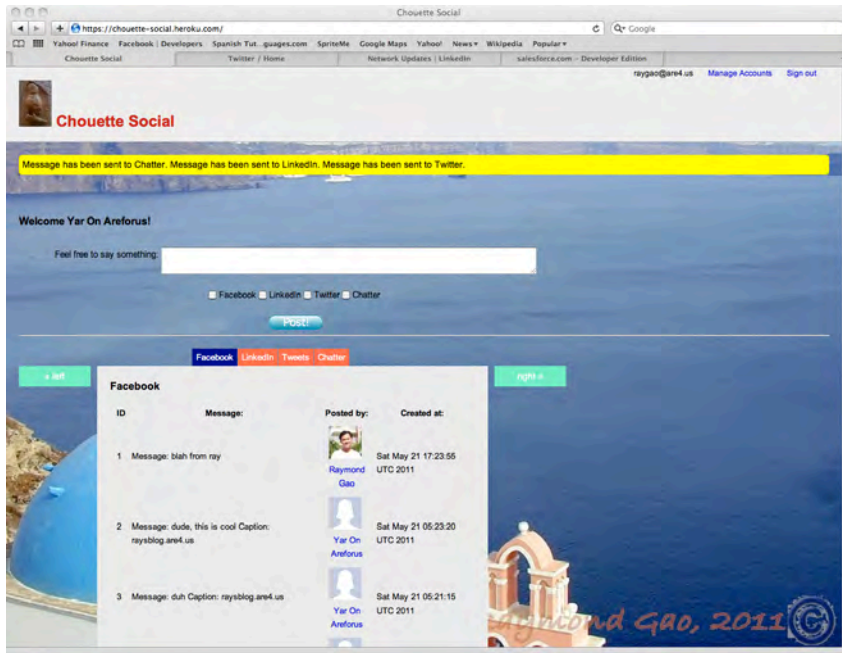**Figure 3 Post to Social Network sites, select which ones you want**

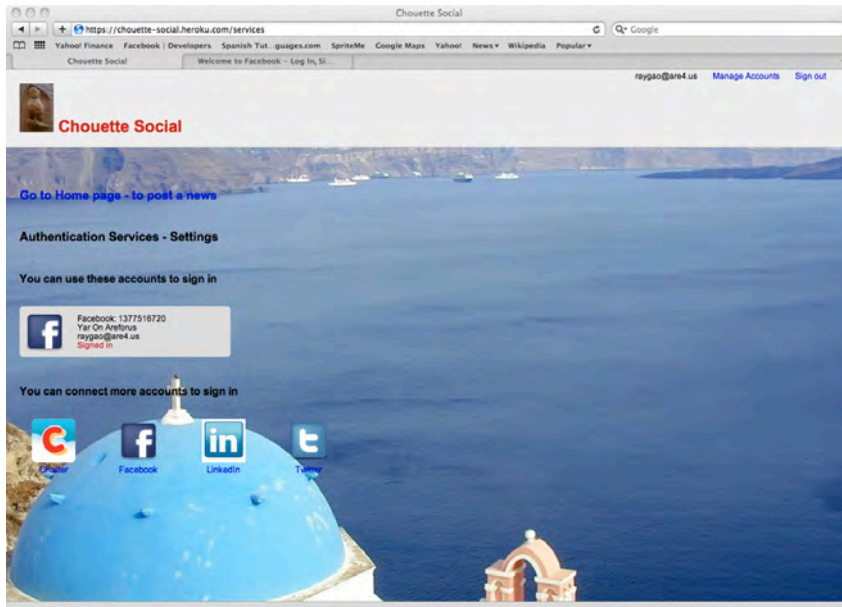**Figure 4 Successfully Posted to Social Network & See Updated Feeds**

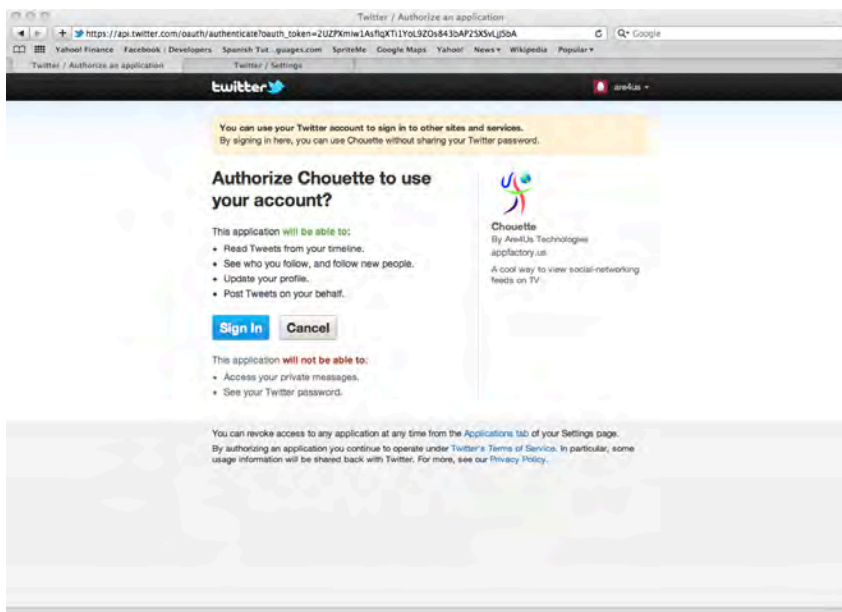**Figure 5 Add more Services (Social Networks Accounts)**
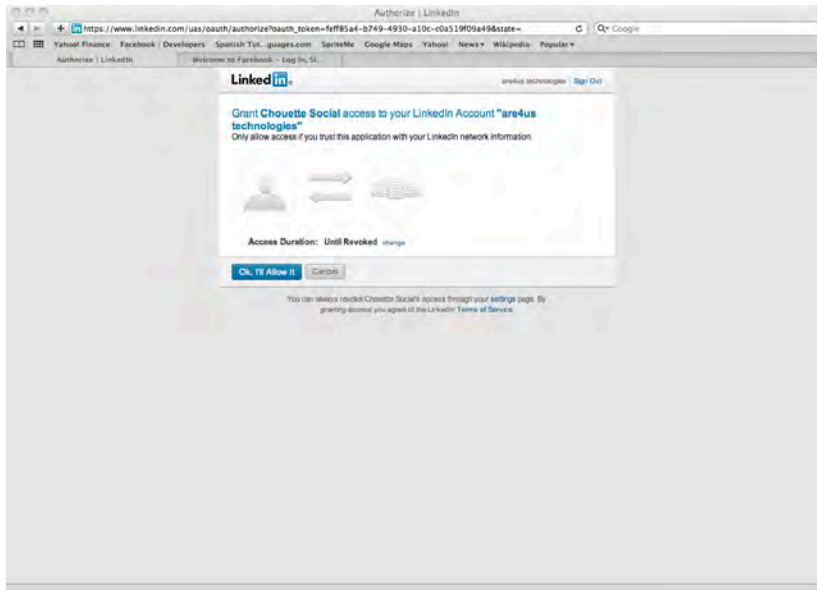

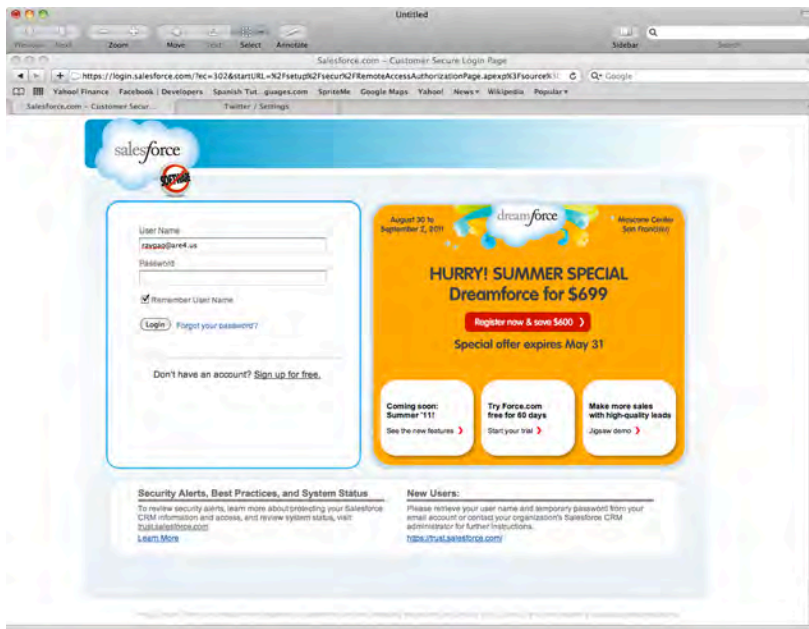**Figure 6 Adding Twitter Account Service**

Figure 7 Adding LinkedIn Account

Figure 8 Adding Chatter-Salesforce Account
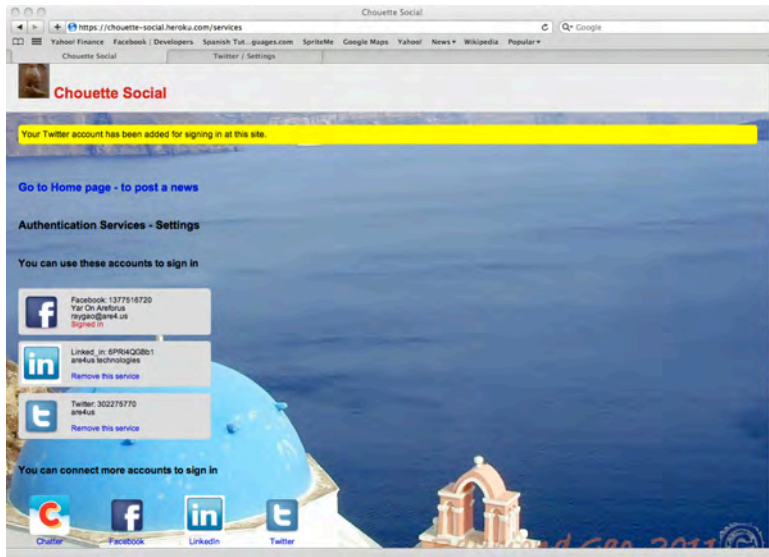
Figure 9 Showing which services social networking sites you have linked to your account.
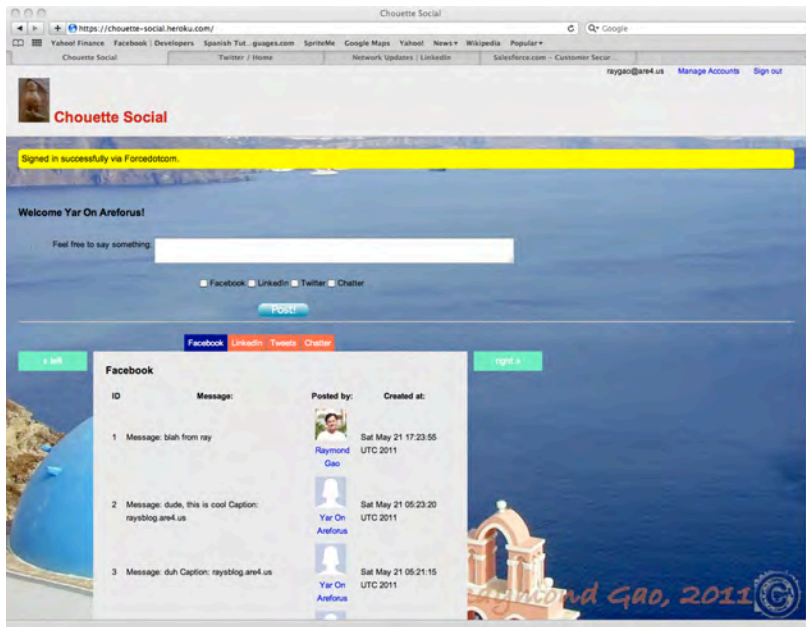
Figure 10 Signing in using any combination of the services that is linked to you account.
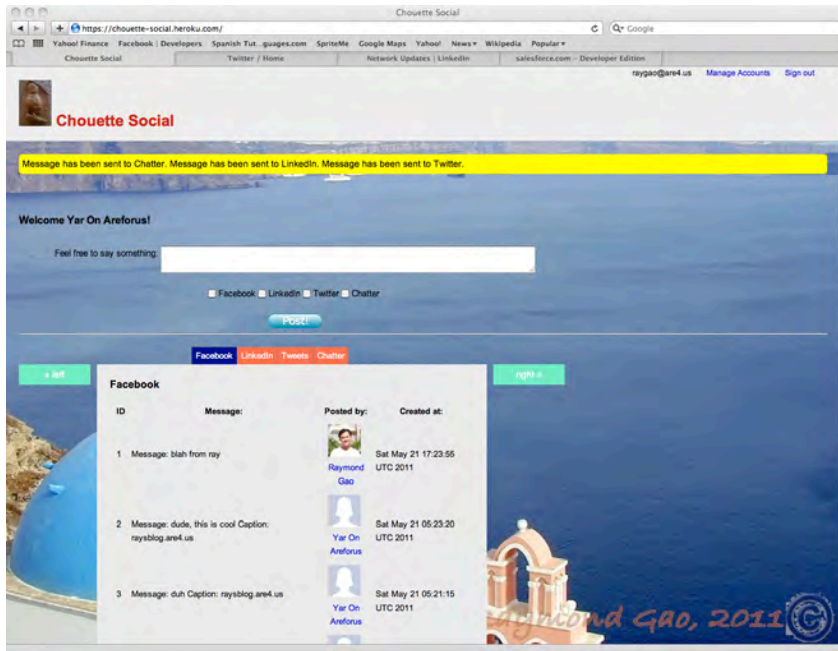
Figure 11 Showing your new post on Facebook
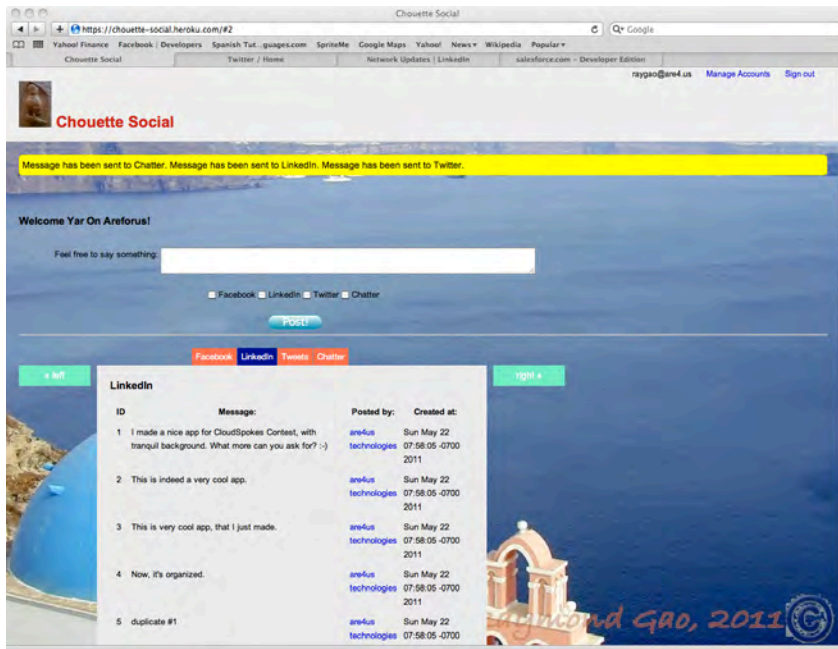
Figure 12 Showing result of your new post on LinkedIn
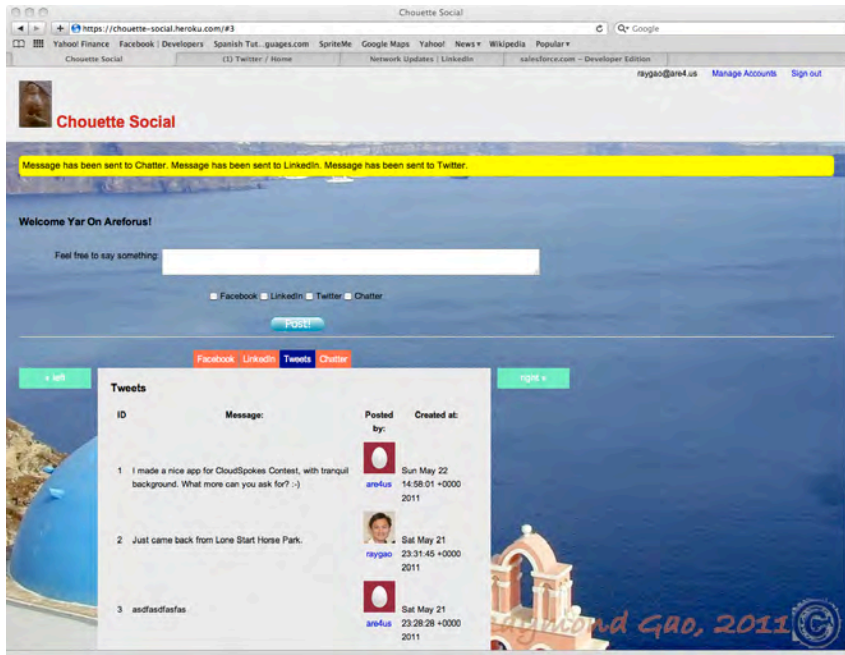
Figure 13 Showing result of your new post on Twitter
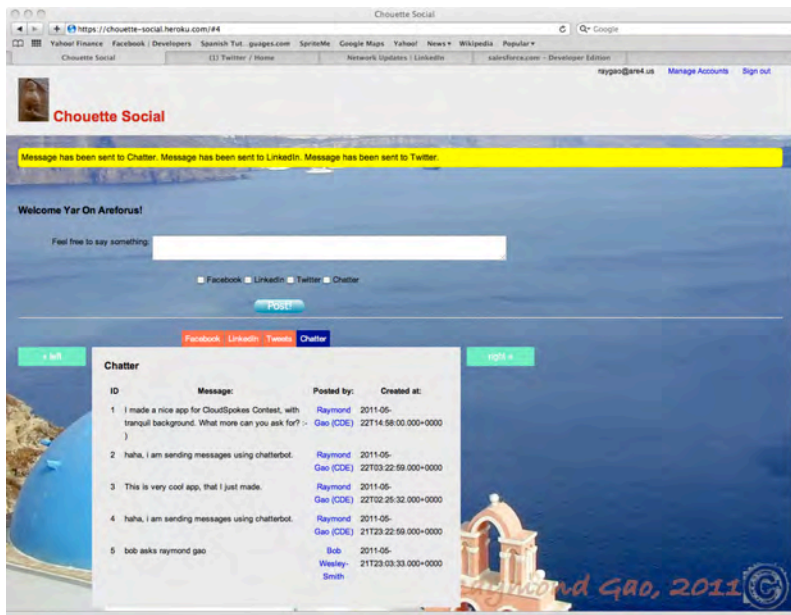
Figure 14 Showing result of your post on Chatter – Salesforce
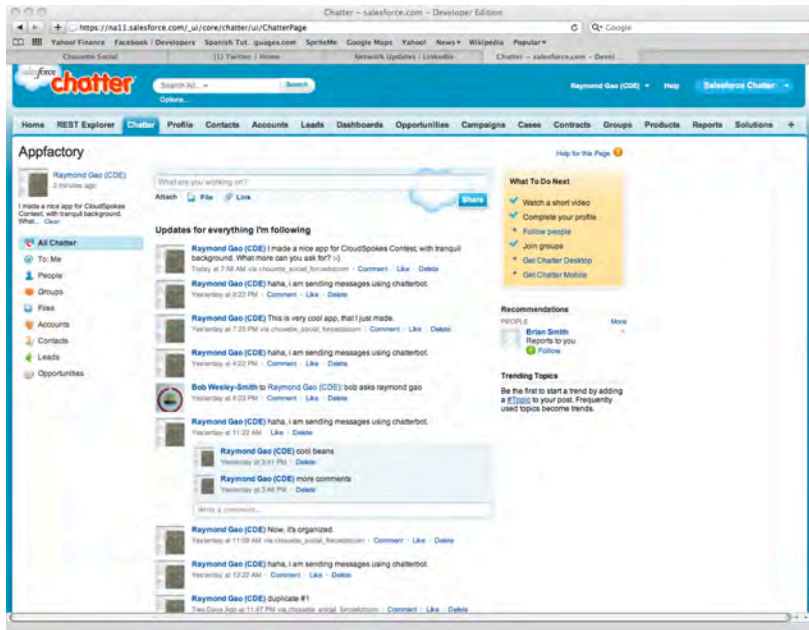
Figure 15 Seeing your new post inside of Chatter – Salesforce

Provider Setup photos
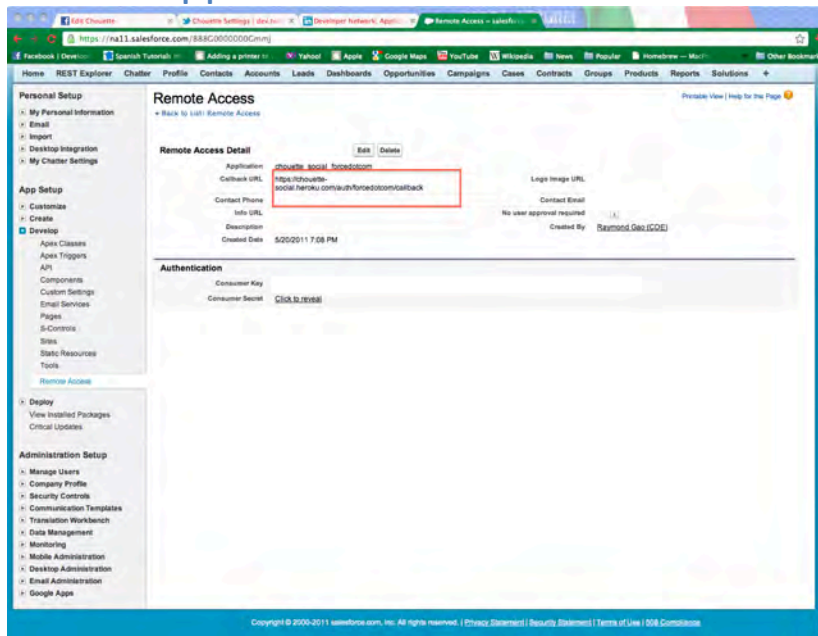
Figure 16 Chatter setup
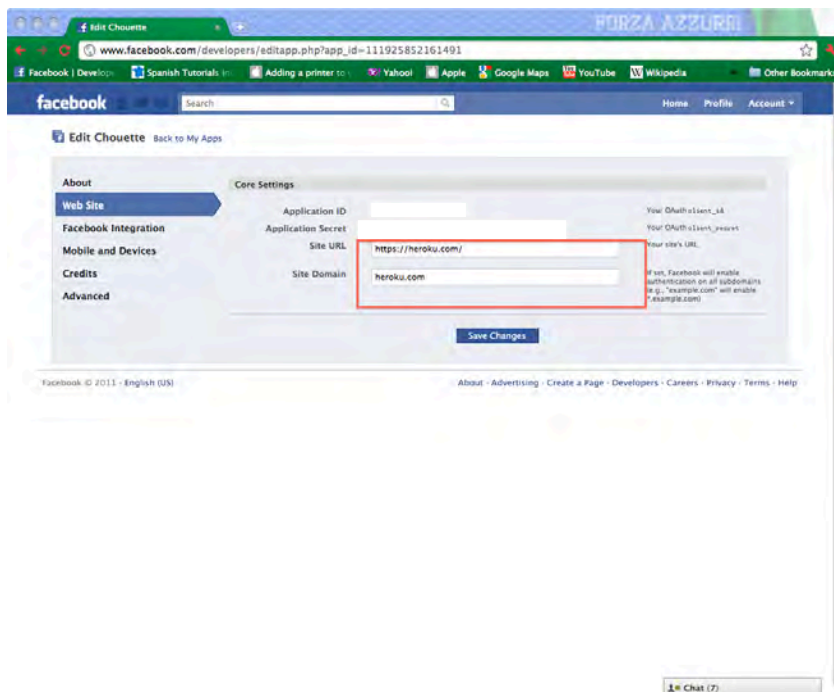
Figure 17 Facebook Setup

Figure 18 LinkedIn Setup

Figure 19 Twitter Setup