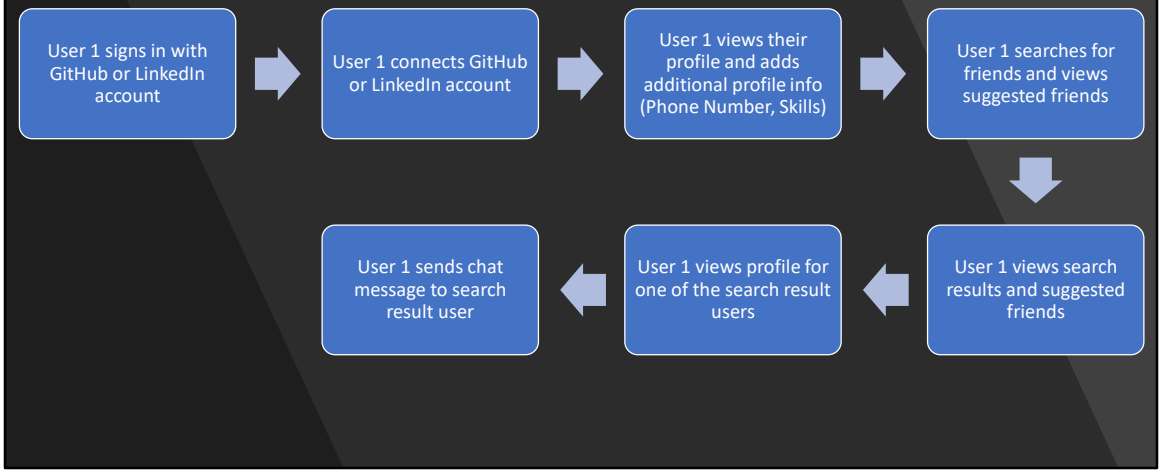
Azure Web App for Containers Code Sample

Demo Script

Prepare the demo

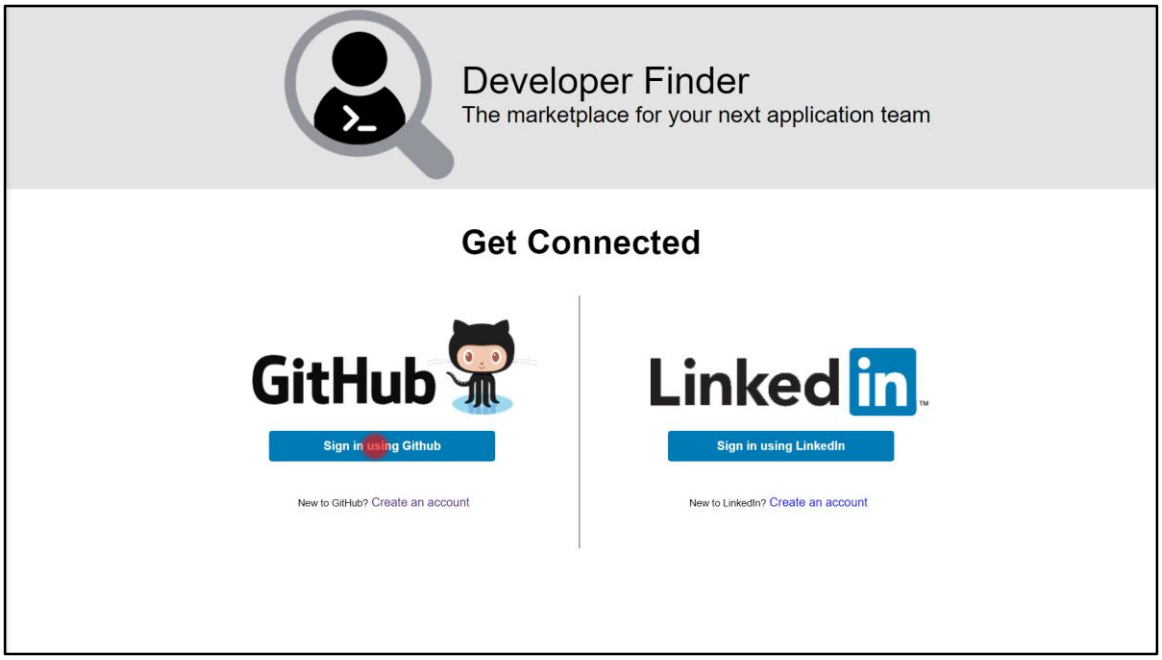
- Setup the demo according to the instructions in the README.md file in the GitHub repository.
- Create or use existing GitHub AND LinkedIn accounts
  - Ensure that the accounts you use to run the demo have their name, company, and location populated in their profile.
  - If these fields are not populated then no data will be returned in certain queries in the app.
- Setting up User 2
  - Before executing the demo you ***must sign in and register*** with User 2 and ***fill out their phone number and skills*** on the profile page.
  - It is strongly recommended you enter programming skills for User 2 that you will also enter for User 1.
    - Doing so will make User 2 show up in the Suggested Friends search result section when User 1 views it in the demo.
  - If you wish to use the SMS text messages, you must also follow the steps in the README file that describe how to register and verify the phone number for the user with the Twilio trial.

End User Scenario – Part 1

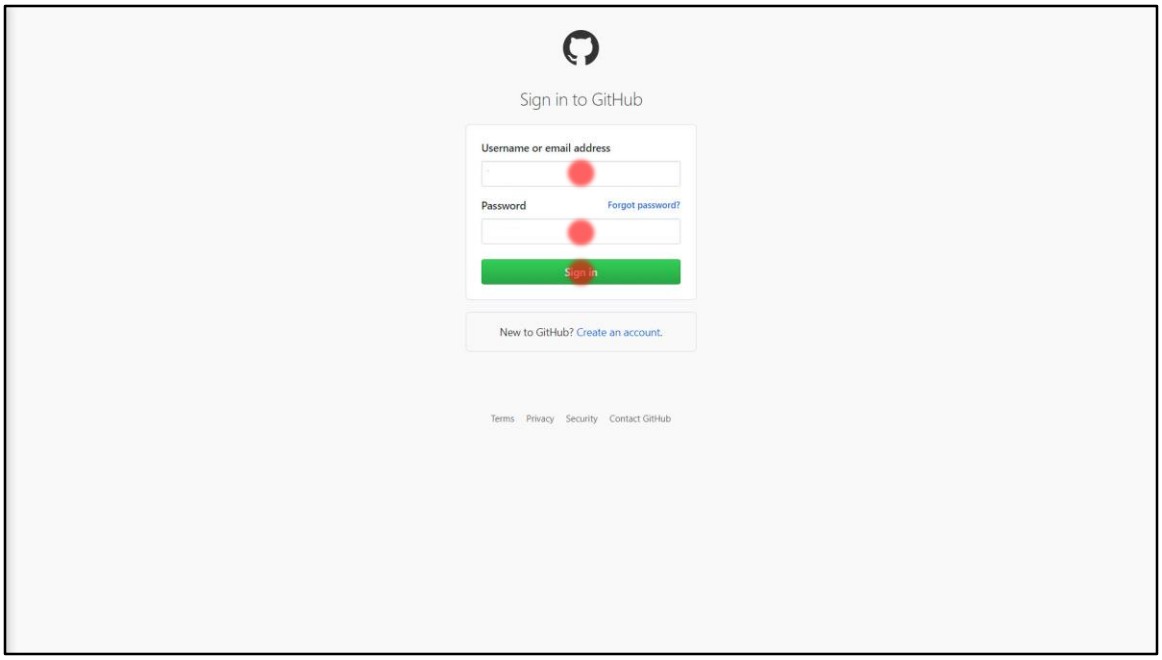


User 1

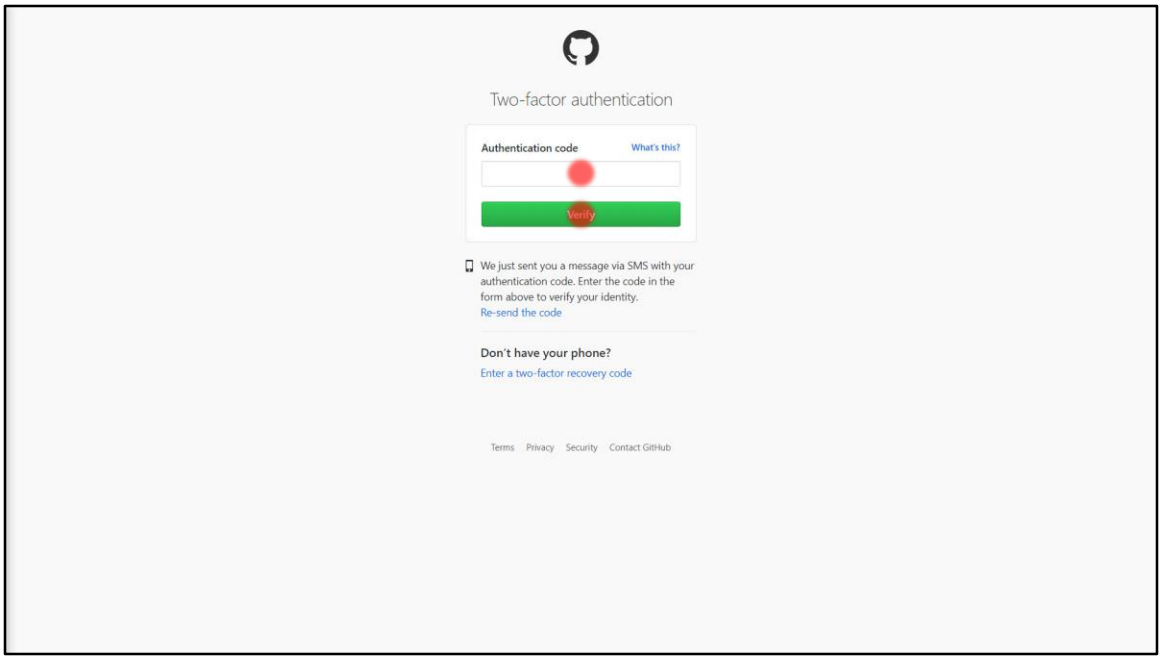
- User 1 executes this part of the demo.
- User 1 is a developer who is looking for another developer to work on a project with, or a recruiter looking to hire a developer.
  - Sign in with a GitHub if you are acting as a developer.
  - Sign in with LinkedIn if you are acting as a recruiter.
- This slide deck shows User 1 acting as a developer, therefore the screens show signing in with GitHub, then connecting the LinkedIn account.
  - In this example, **User 1** is named **Code Pro Master** and **User 2** is named **Todd Baginski**



1. In a web browser, open the Developer Finder Application
2. In the **GitHub section**, click **Sign In using GitHub**

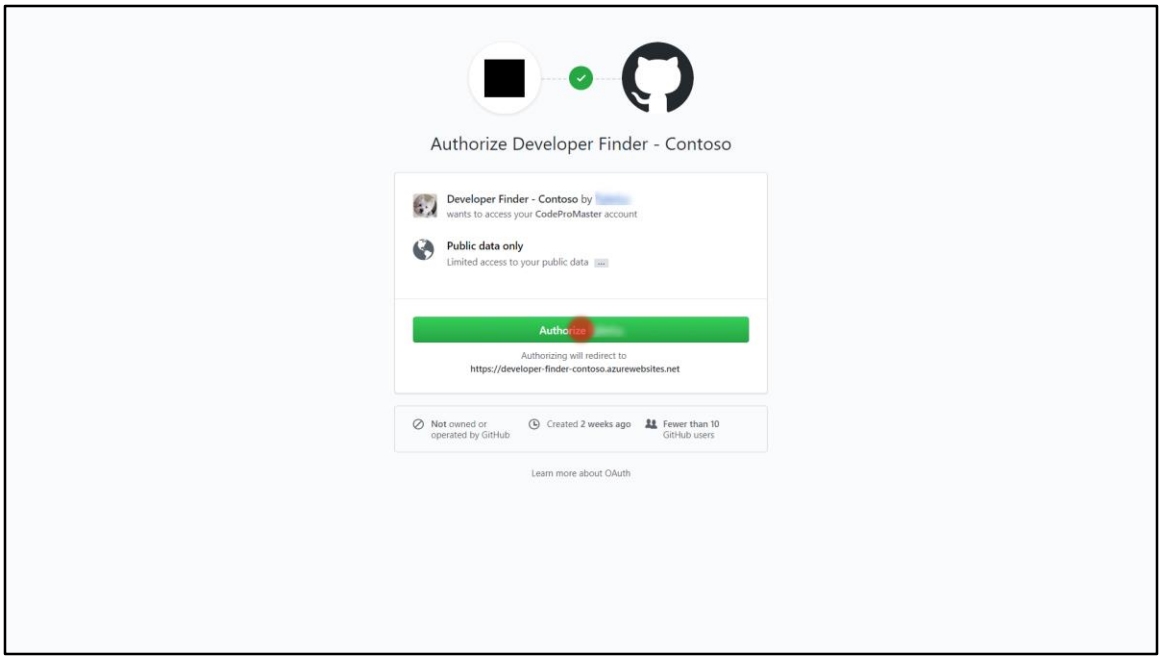


1. Enter **Username or email address**
2. Enter **Password**
3. Click **Sign in**

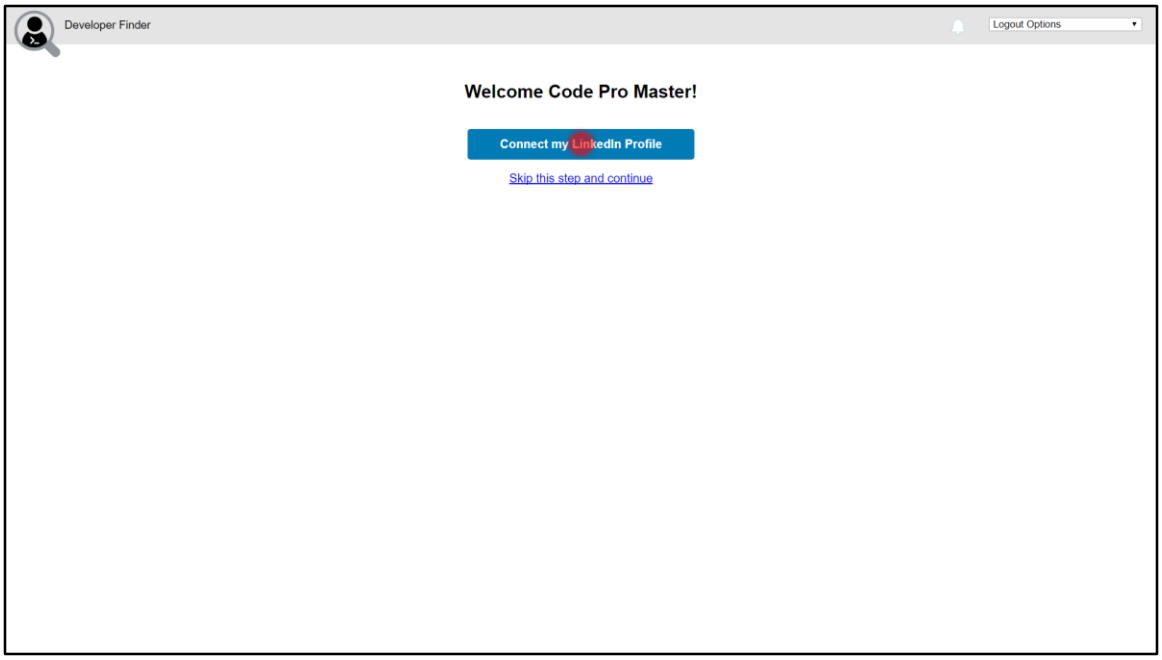


This step is only necessary if you have MFA turned on for the account.

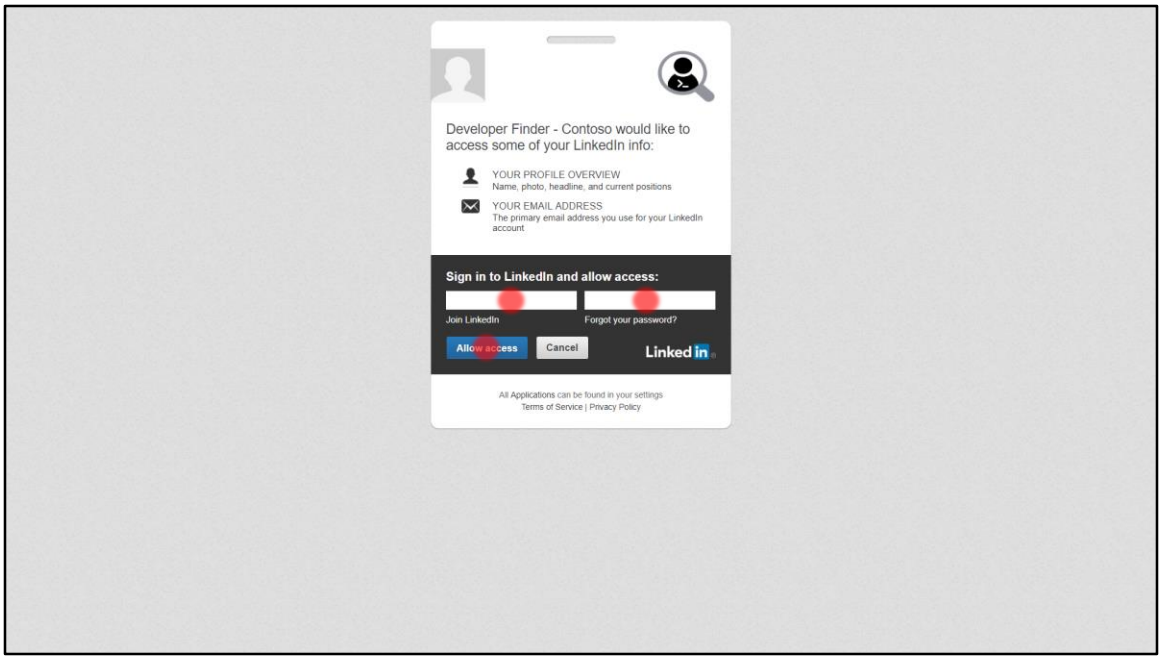
1. Enter **Authentication code**
2. Click **Verify**



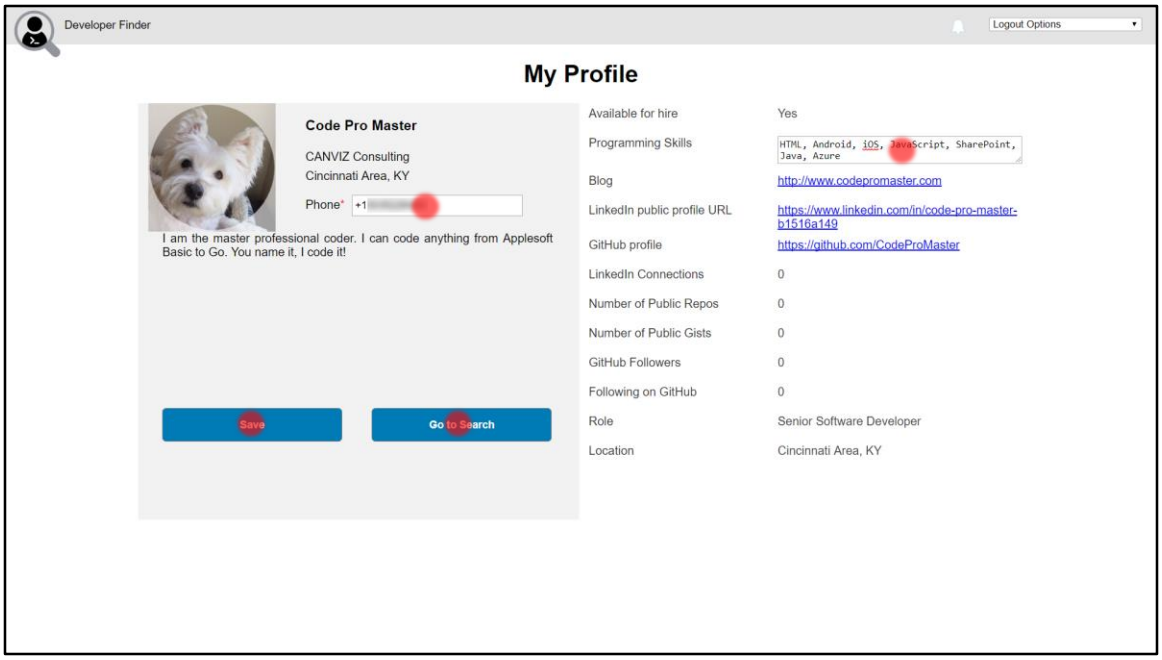
1. Click **Authorize**



1. Click **Connect my LinkedIn Profile**



1. Enter **email address**
2. Enter **password**
3. Click **Allow access**



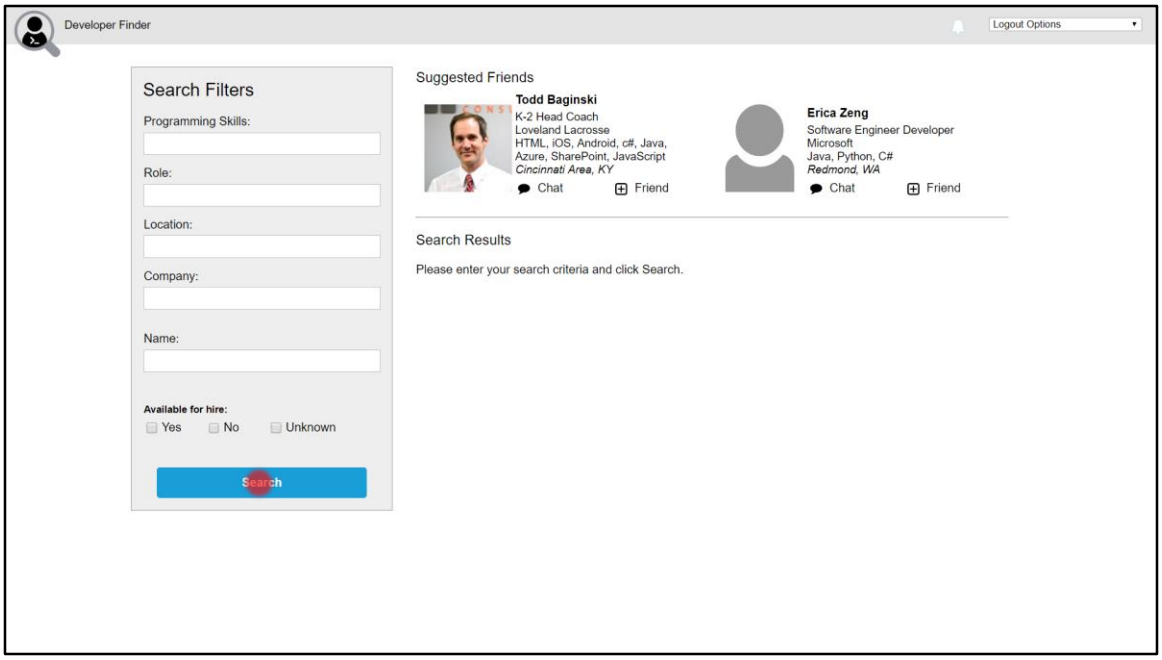
1. Enter **phone number**

   IMPORTANT: You must add the prefix for the country code or the SMS will not be sent.
   Example: +15551112222

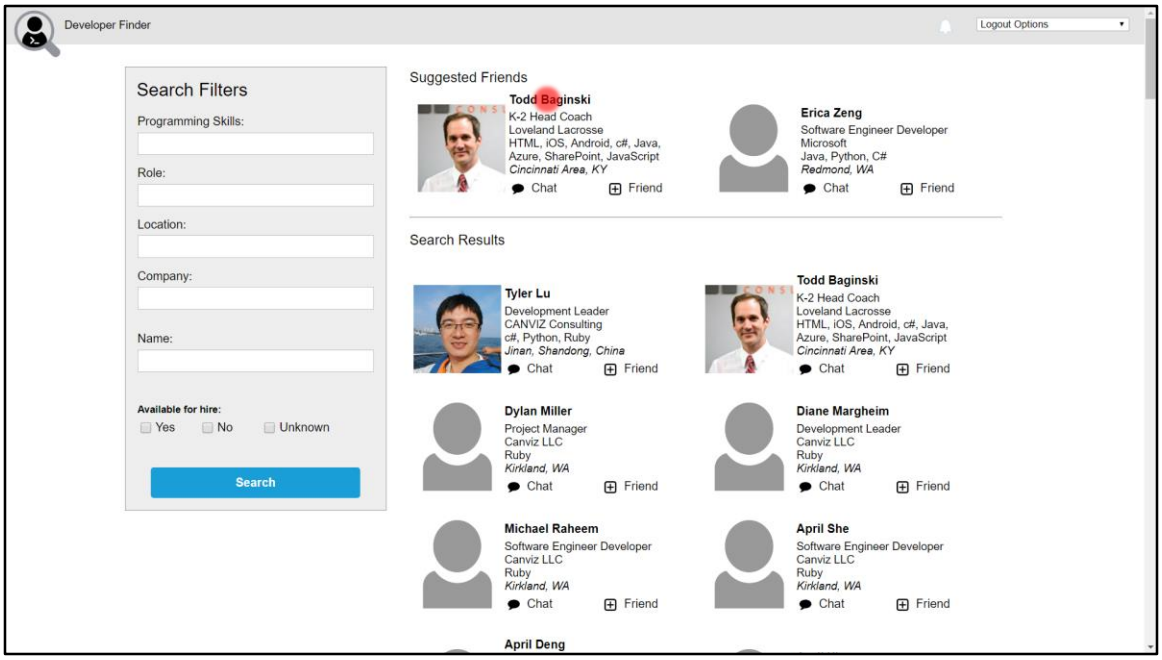
2. Enter **Programming Skills**

   It is strongly recommended you enter programming skills that match the skills you created when you sent up the User 2 account.
   Doing so will make User 2 show up in the Suggested Friends search result section.

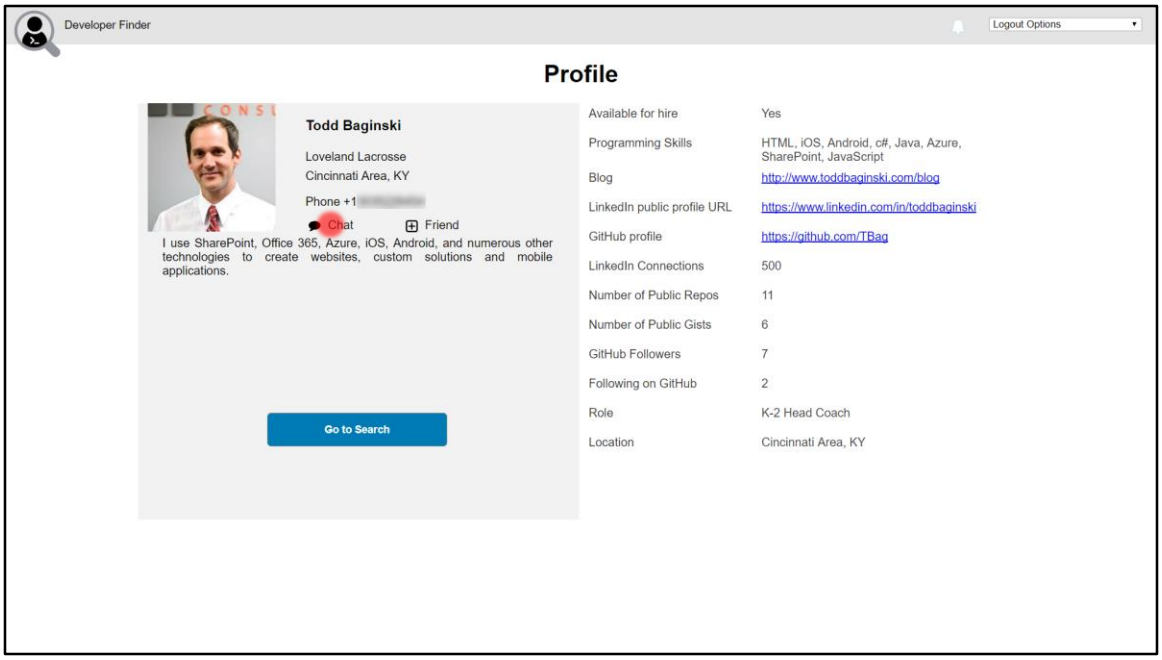
3. Click **Save**
4. Click **Go to Search**



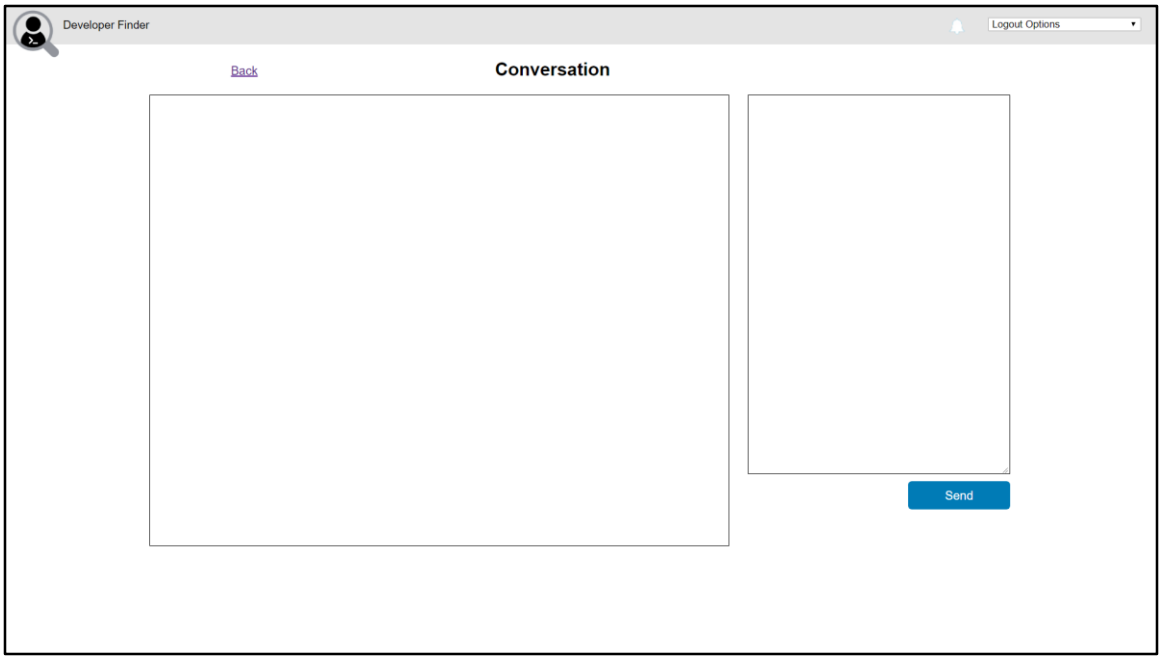
1. Wait until the **Suggested Friends search results** appear.
2. Click **Search**

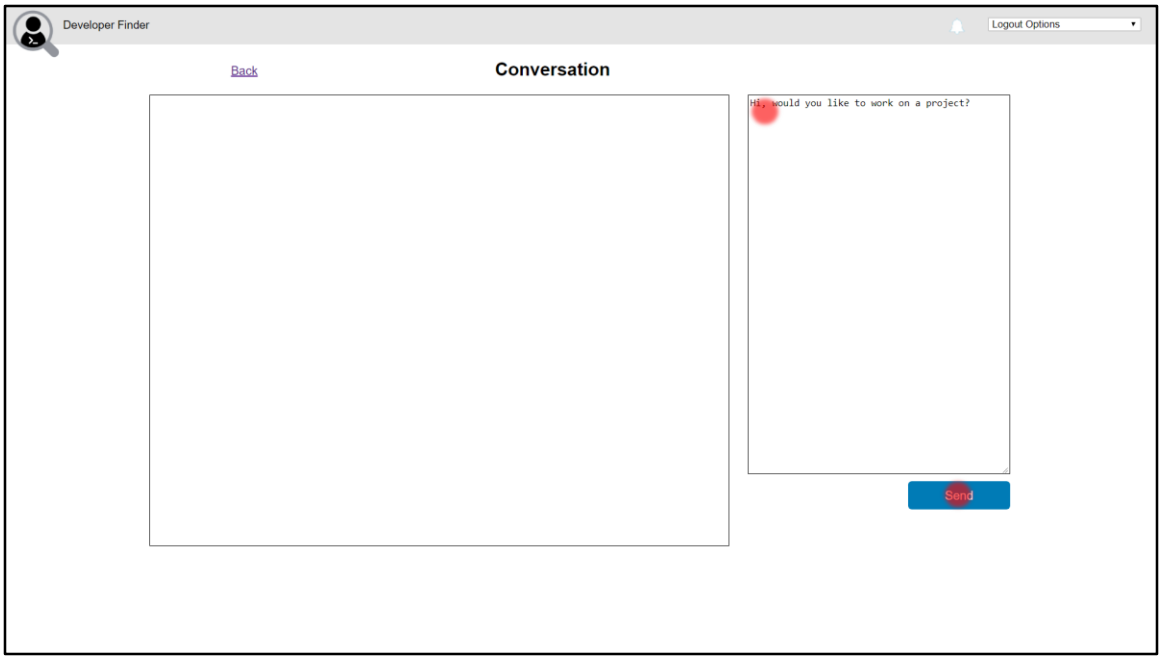


1. Click the **full name for User 2** you previously set up.


Developer Finder
Logout Options
Profile
Todd Baginski
Loveland Lacrosse
Cincinnati Area, KY
Phone +1
Chat
Friend
I use SharePoint, Office 365, Azure, iOS, Android, and numerous other technologies to create websites, custom solutions and mobile applications.
Go to Search
Available for hire
Yes
Programming Skills
HTML, iOS, Android, c#, Java, Azure, SharePoint, JavaScript
Blog
http://www.toddbaginski.com/blog
LinkedIn public profile URL
https://www.linkedin.com/in/toddbaginski
GitHub profile
https://github.com/TBag
LinkedIn Connections
500
Number of Public Repos
11
Number of Public Gists
6
GitHub Followers
7
Following on GitHub
2
Role
K-2 Head Coach
Location
Cincinnati Area, KY

1. Click **Chat**

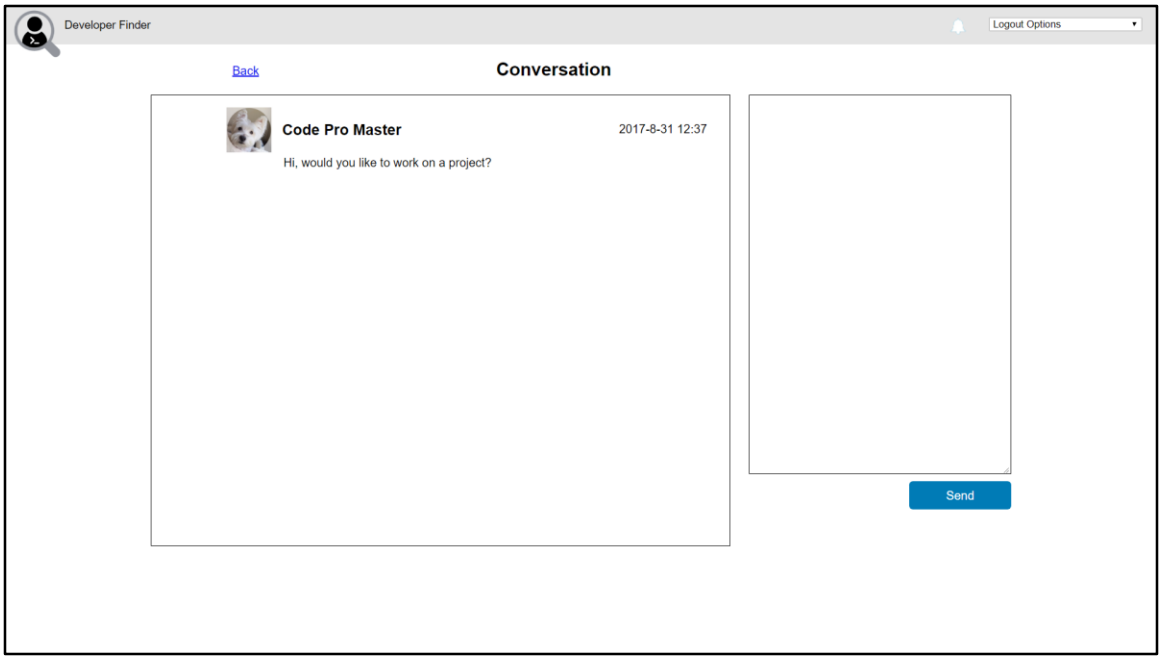

Developer Finder
Logout Options
Back
Conversation
Send



1. Enter the following text in the **chat textbox**:

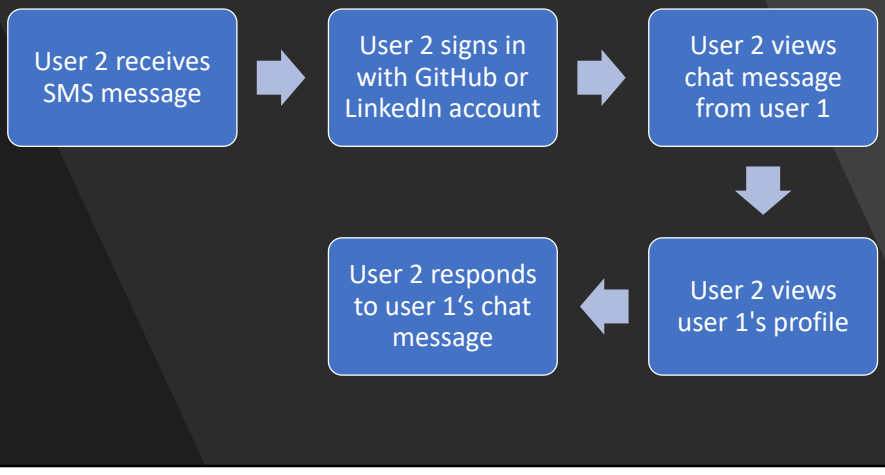
   Hi, would you like to work on a project?

2. Click **Send**



1. Watch the **chat message** appear in the conversation window.

End User Scenario – Part 2

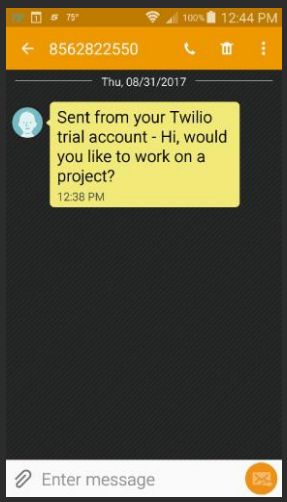


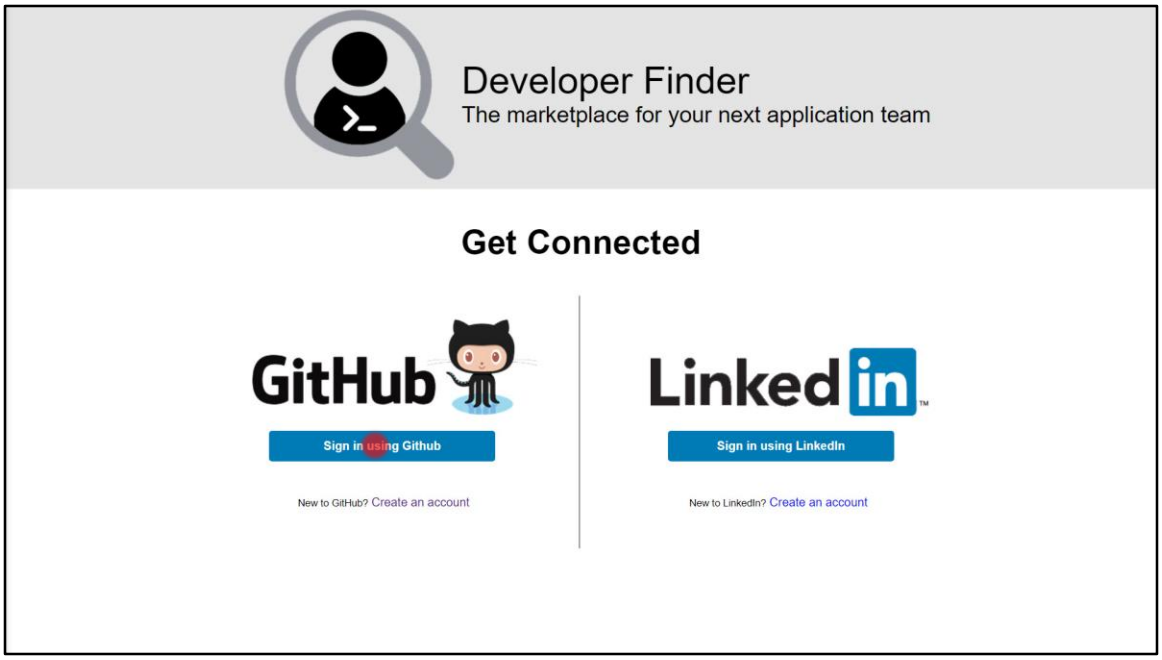
User 2

- User 2 executes this part of the demo.
- User 2 is a developer who has previously registered in the Developer Finder app. This is the User who will be contacted by user 1.

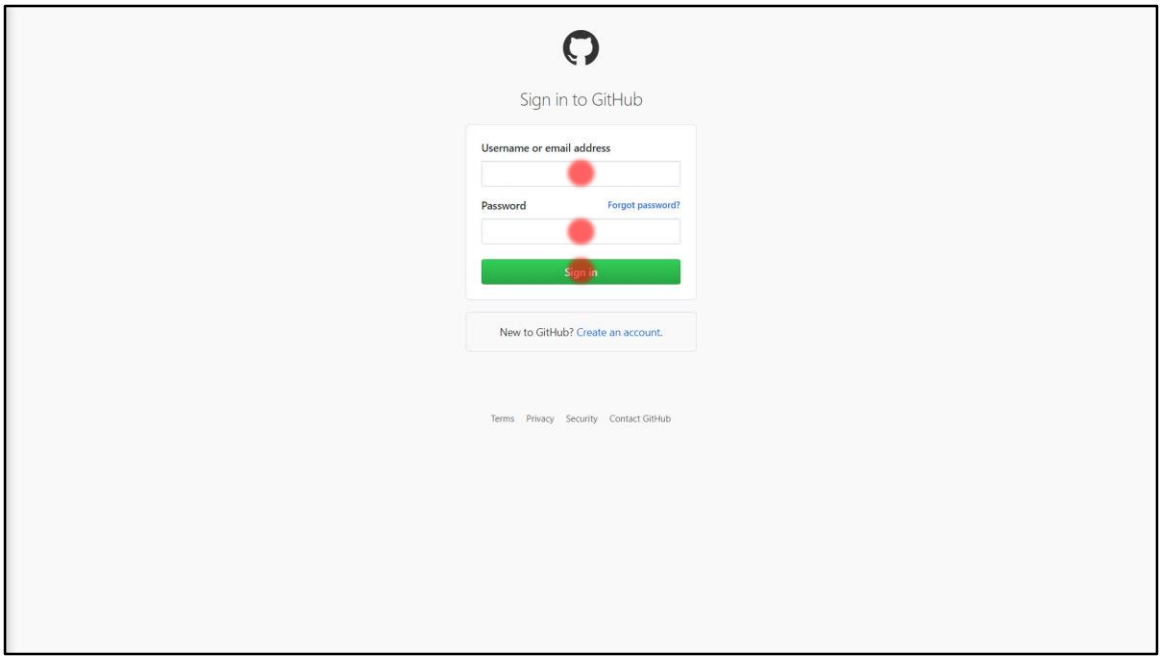
- IMPORTANT NOTES:
  - Before executing the demo you must sign in with User 2 and fill out their phone number and skills.
  - If you wish to use the SMS text messages, you must also follow the steps in the README file that describe how to register and verify the phone number for the user with the Twilio trial.

User 2 Views SMS On Phone

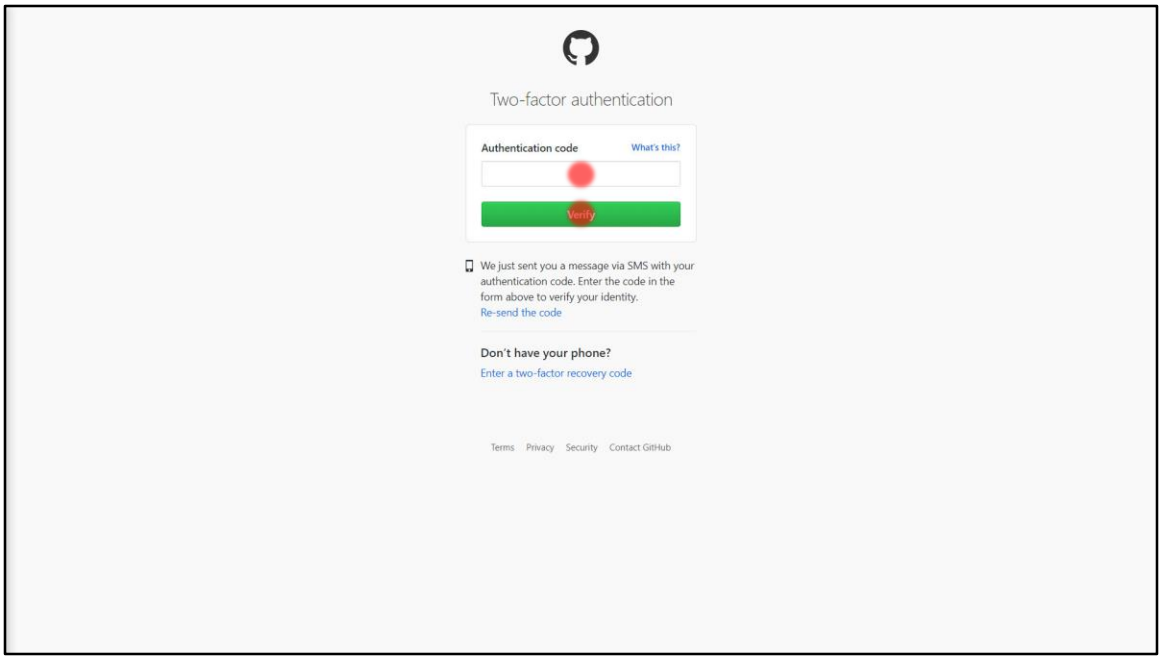




1. In a web browser, open the Developer Finder Application
2. In the **GitHub section**, click **Sign In using GitHub**

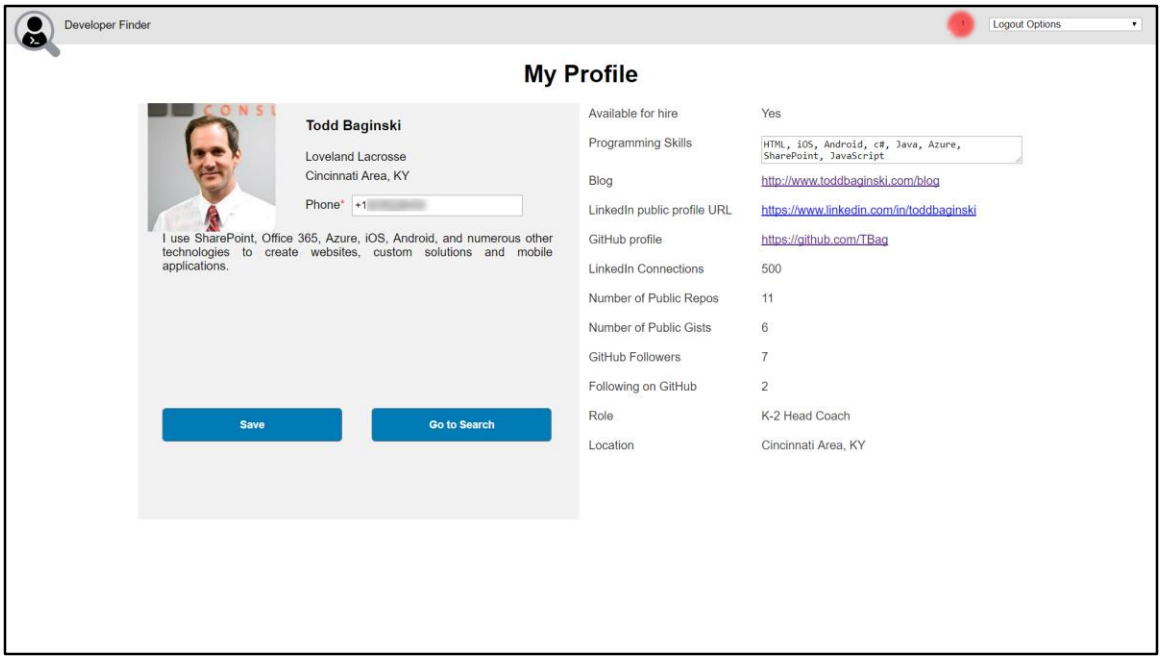


1. Enter **Username or email address**
2. Enter **Password**
3. Click **Sign in**

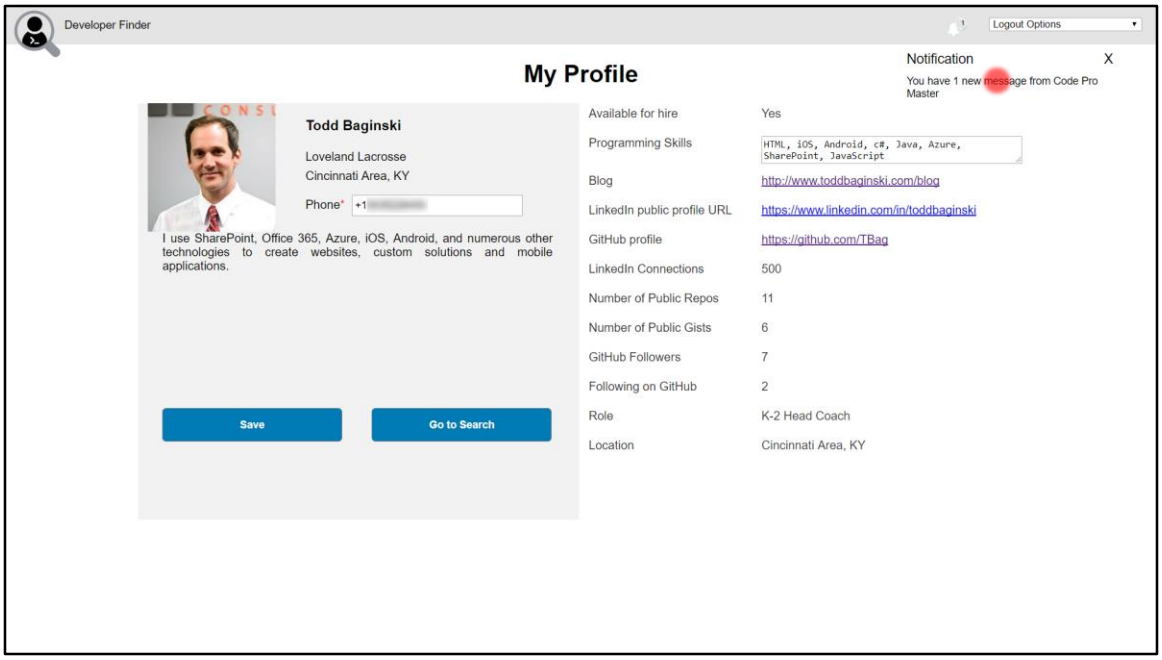


This step is only necessary if you have MFA turned on for the account.

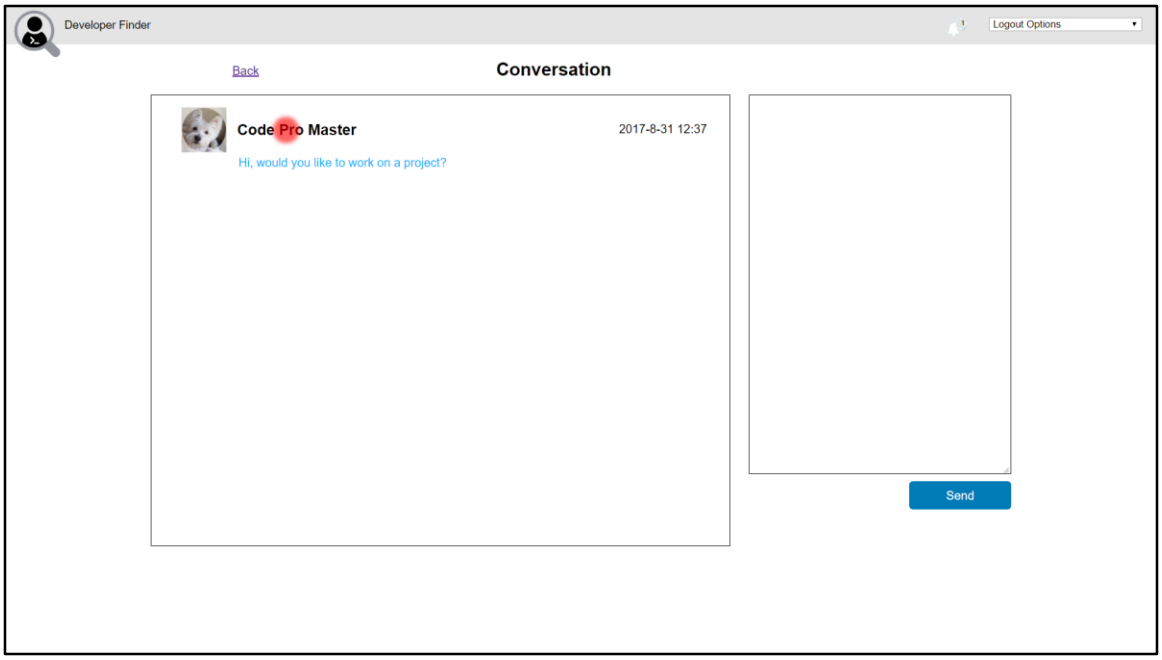
1. Enter **Authentication code**
2. Click **Verify**



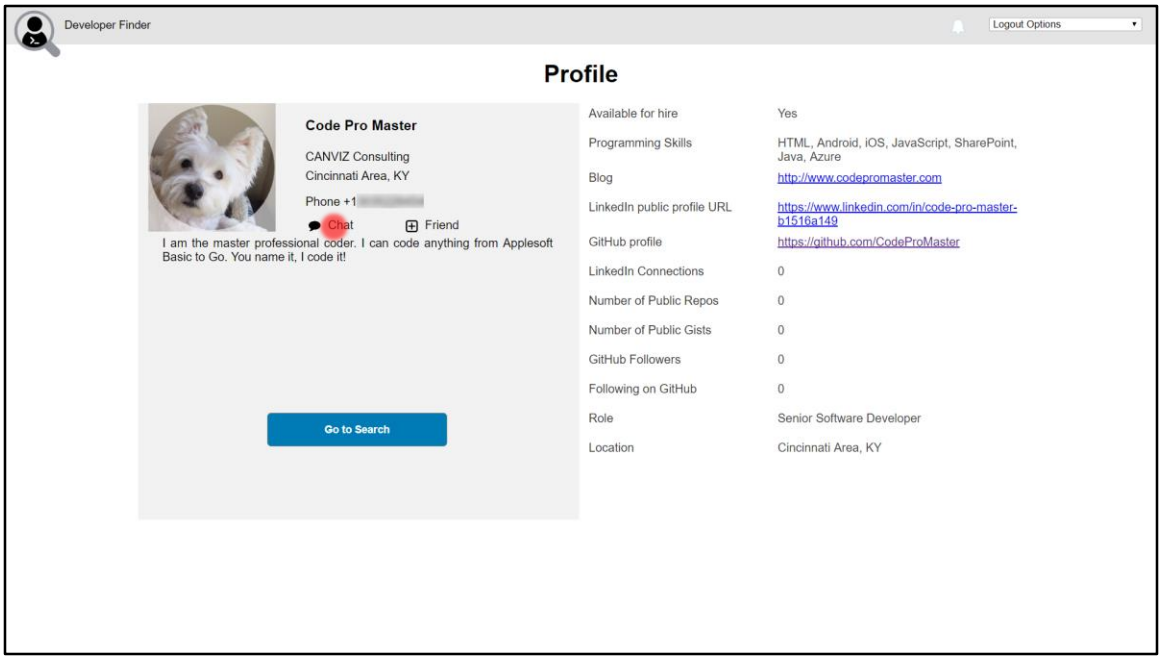
1. Click the **notification icon**



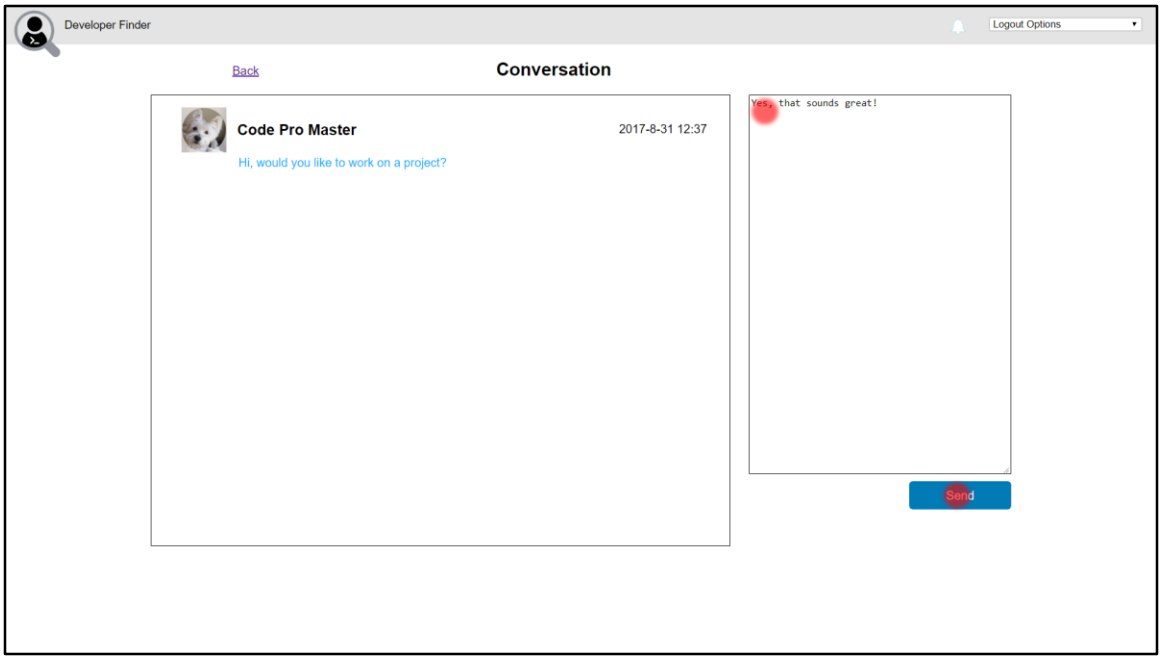
1. Click the **notification**



1. Click **User 1's name**


Developer Finder
Logout Options
Profile
Code Pro Master
CANVIZ Consulting
Cincinnati Area, KY
Phone +1
Chat
Friend
I am the master professional coder. I can code anything from Applesoft Basic to Go. You name it, I code it!
Go to Search
Available for hire
Yes
Programming Skills
HTML, Android, iOS, JavaScript, SharePoint, Java, Azure
Blog
http://www.codepromaster.com
LinkedIn public profile URL
https://www.linkedin.com/in/code-pro-master-b1516a149
GitHub profile
https://github.com/CodeProMaster
LinkedIn Connections
0
Number of Public Repos
0
Number of Public Gists
0
GitHub Followers
0
Following on GitHub
0
Role
Senior Software Developer
Location
Cincinnati Area, KY

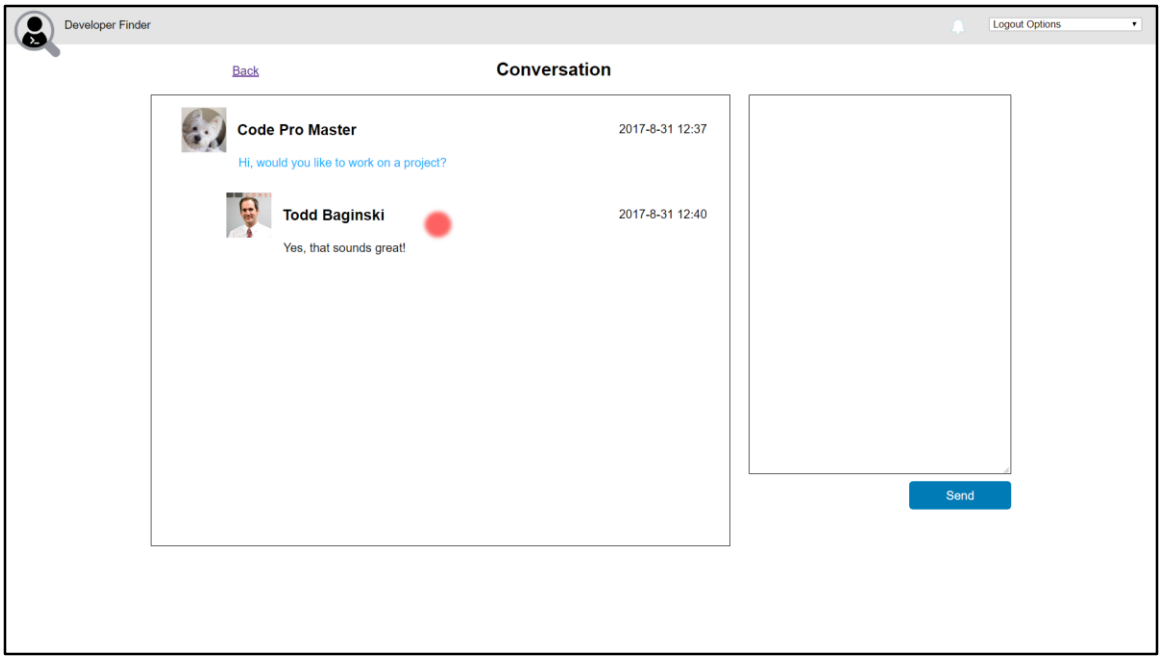
1. Click **Chat**



1. Enter the following text in the **chat textbox**:

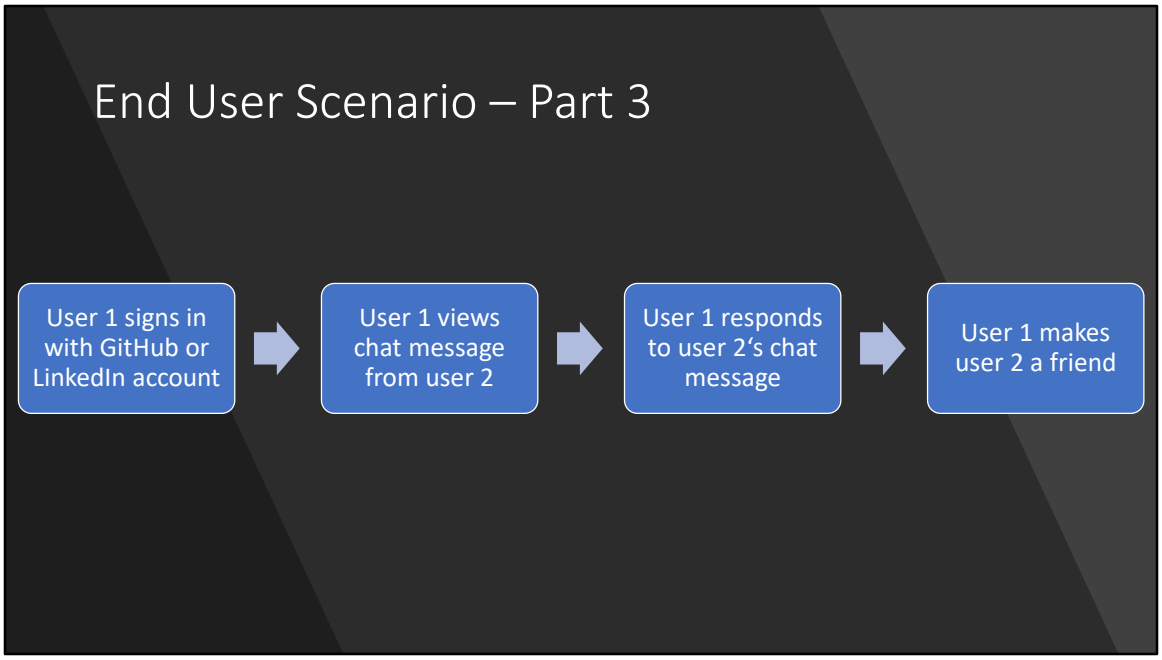
   Yes, that sounds great!

2. Click **Send**



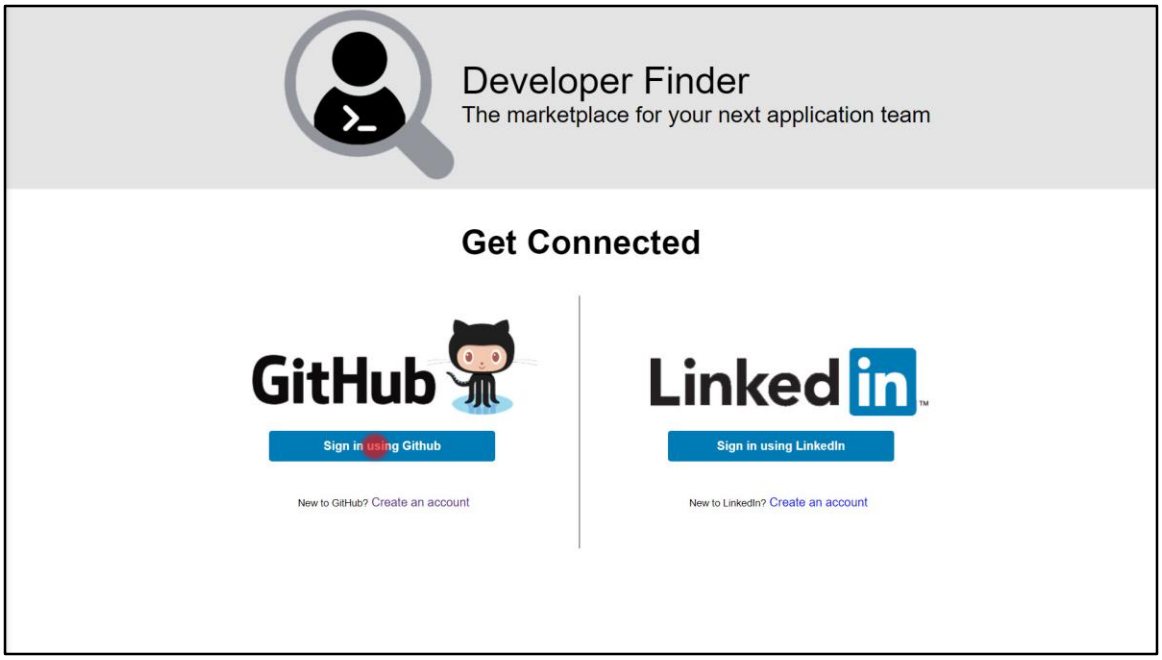
1. Watch the **chat message** appear in the **conversation window**

End User Scenario – Part 3

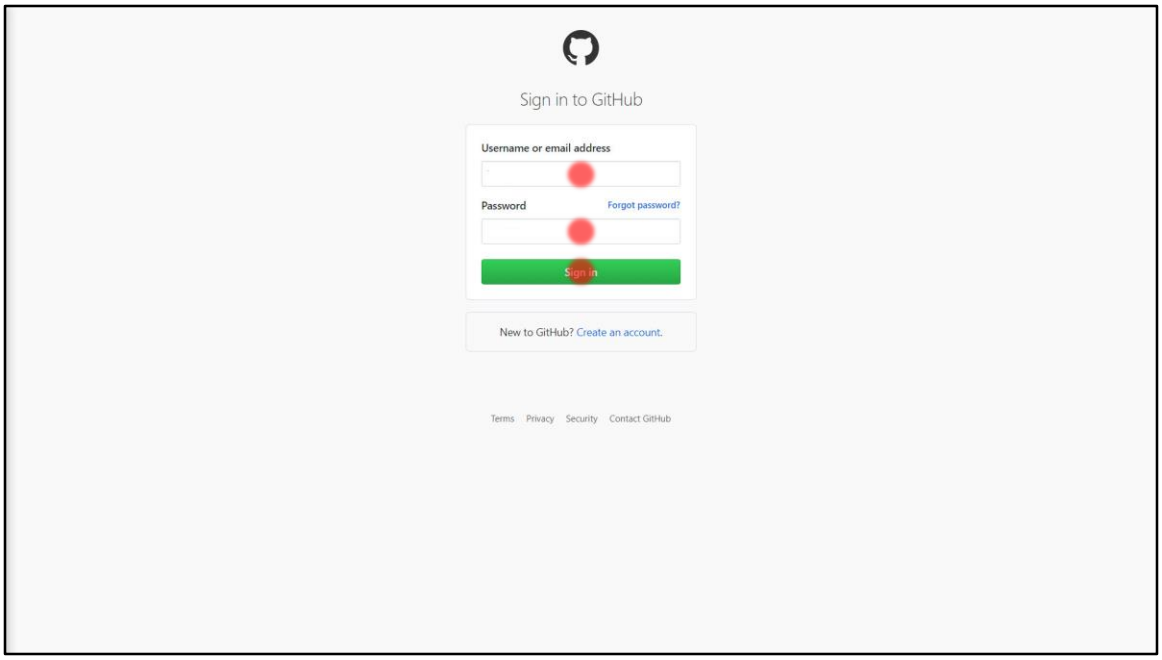


User 1

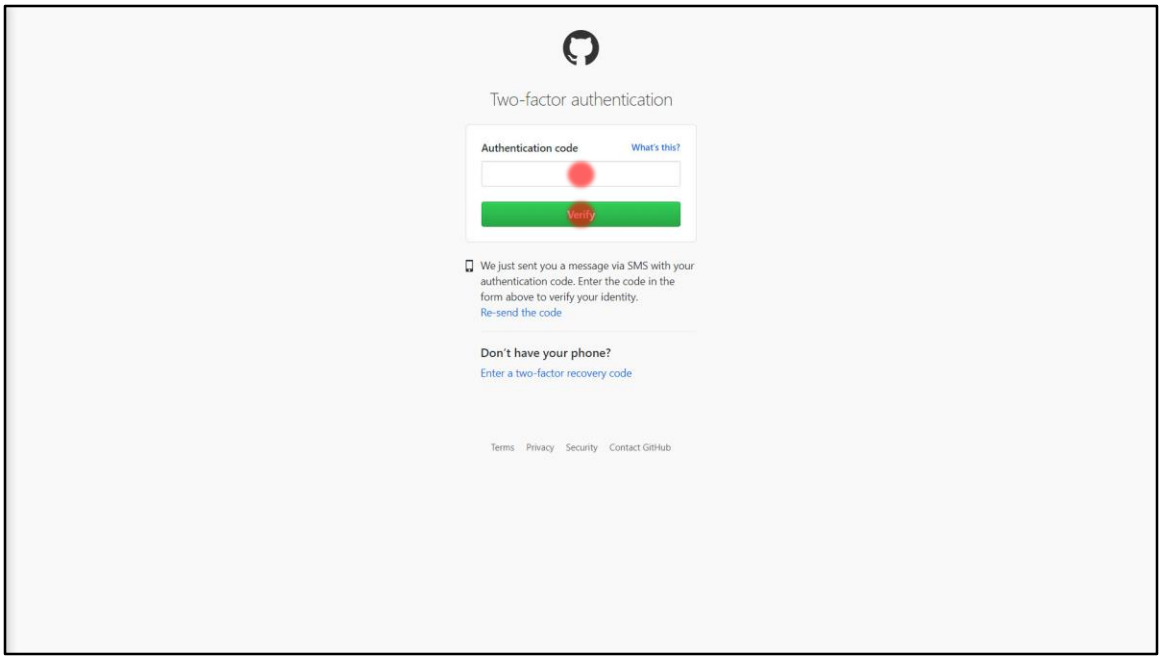
- User 1 executes this part of the demo.



1. In a web browser, open the Developer Finder Application
2. In the **GitHub section**, click **Sign In**

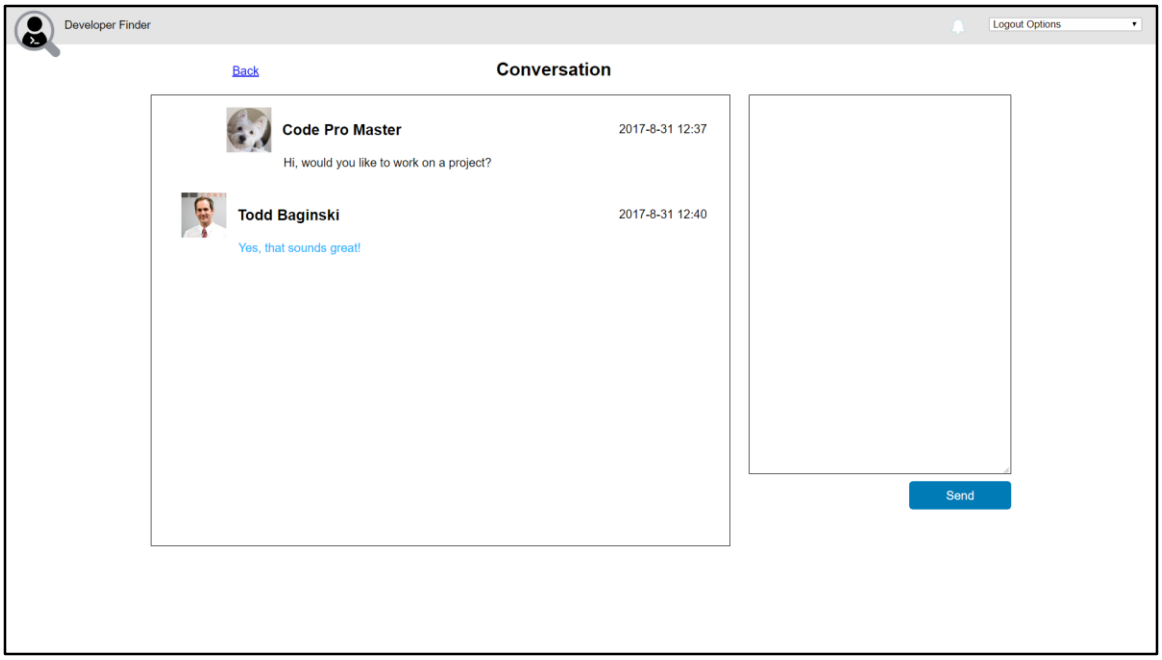


1. Enter **Username or email address**
2. Enter **Password**
3. Click **Sign in**

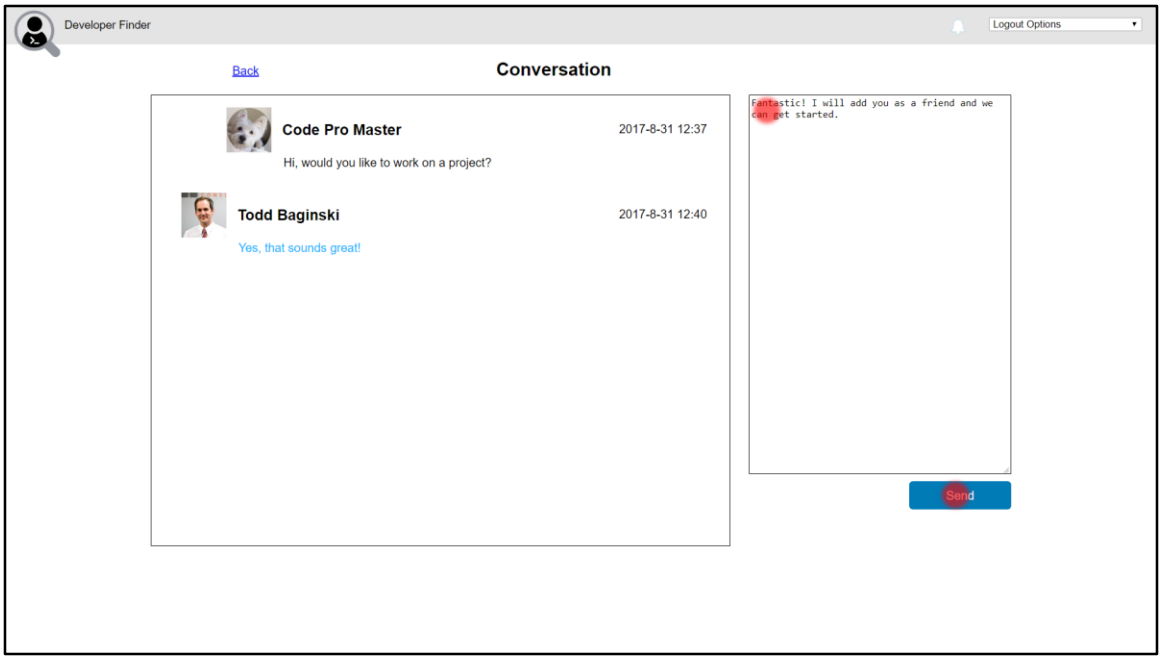


This step is only necessary if you have MFA turned on for the account.

1. Enter **Authentication code**
2. Click **Verify**



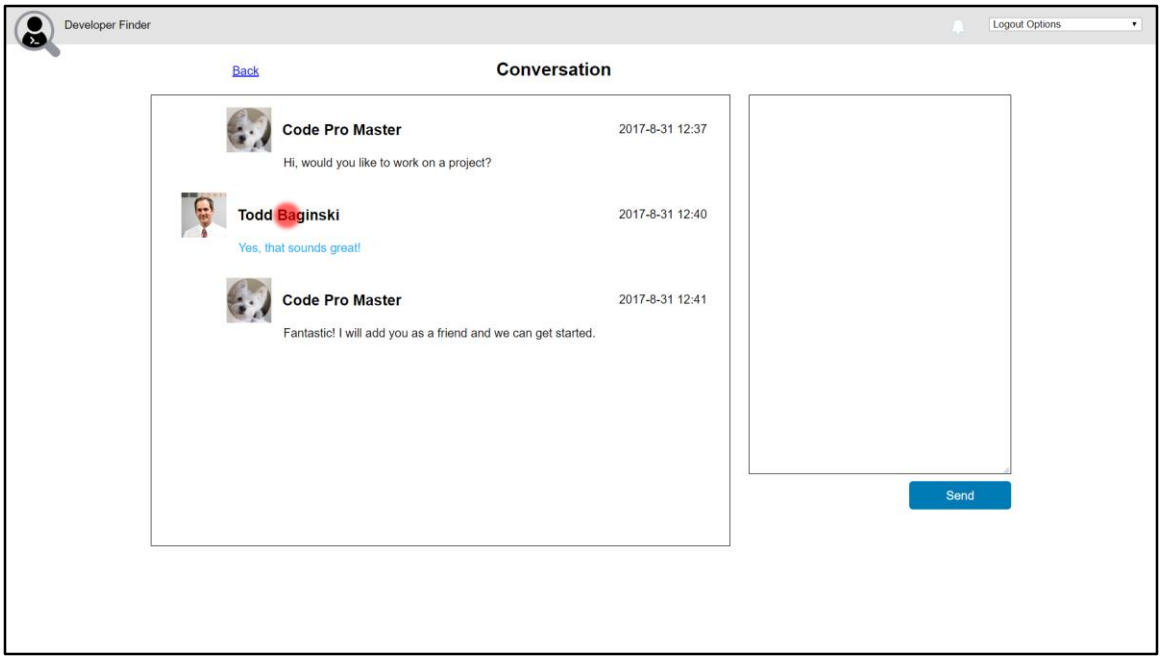
1. View the **chat message**



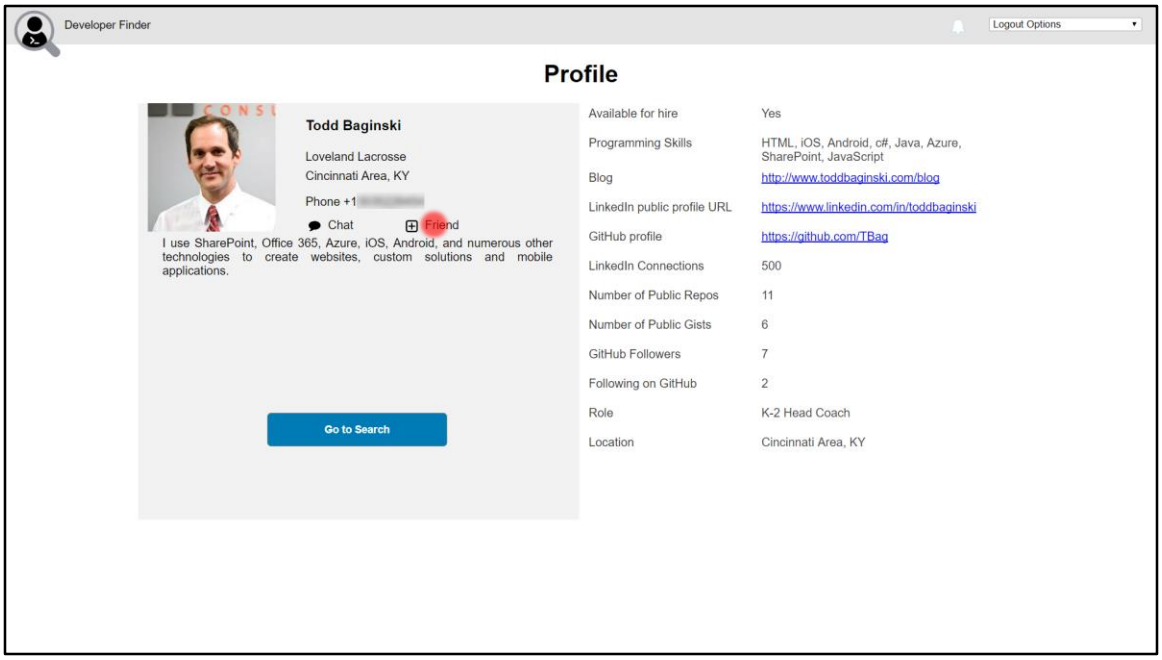
1. Enter the following text in the **chat textbox**:

   Fantastic! I will add you as a friend and we can get started.

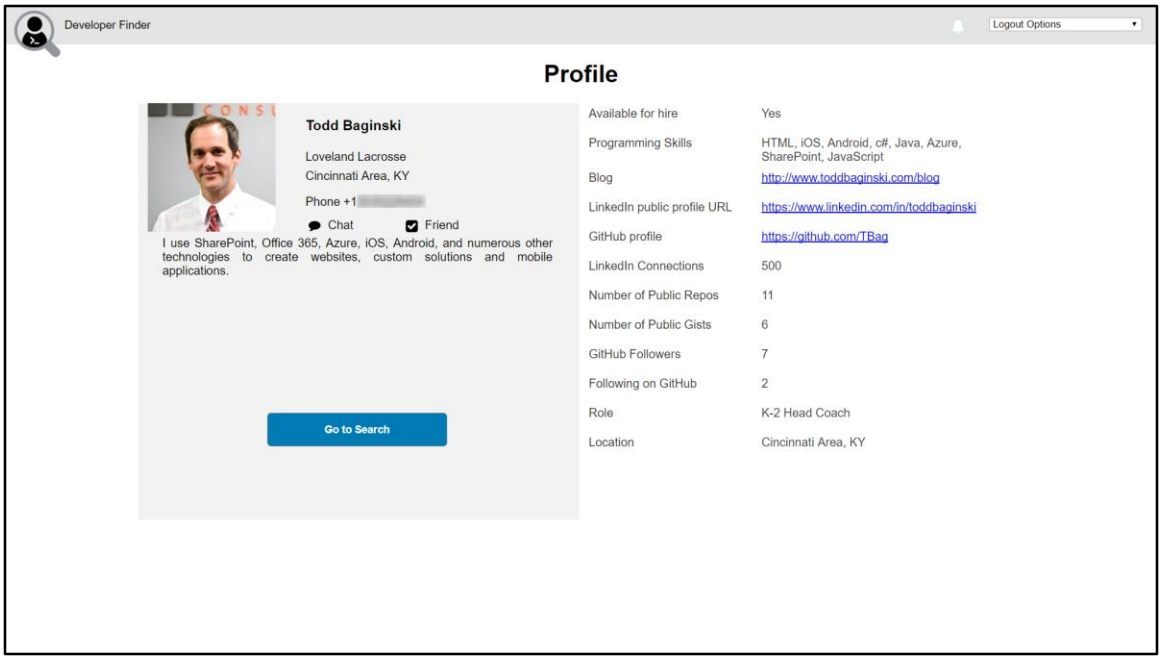
2. Click **Send**



1. Watch the **chat message** appear in the conversation window
2. Click **User 2's name**

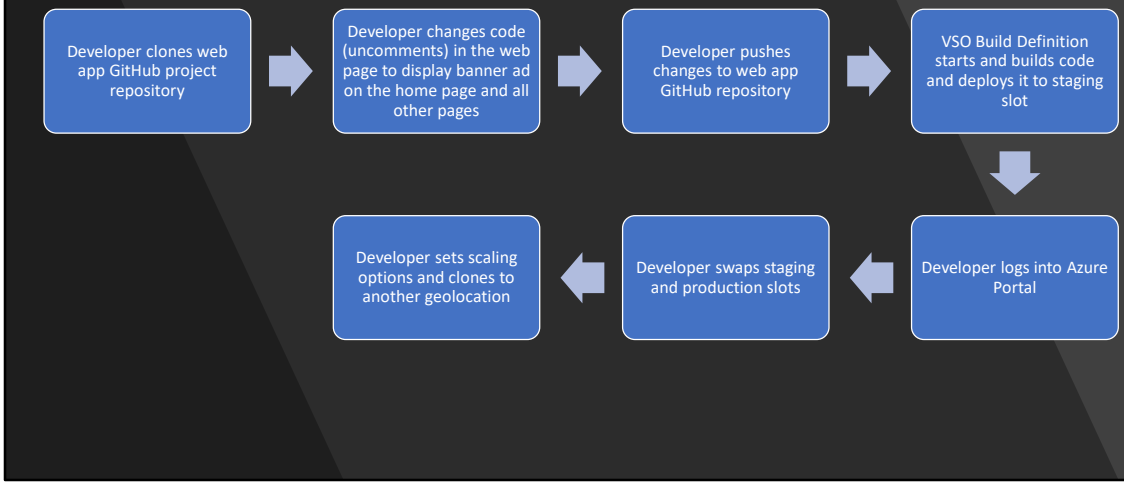


1. Click **Friend**



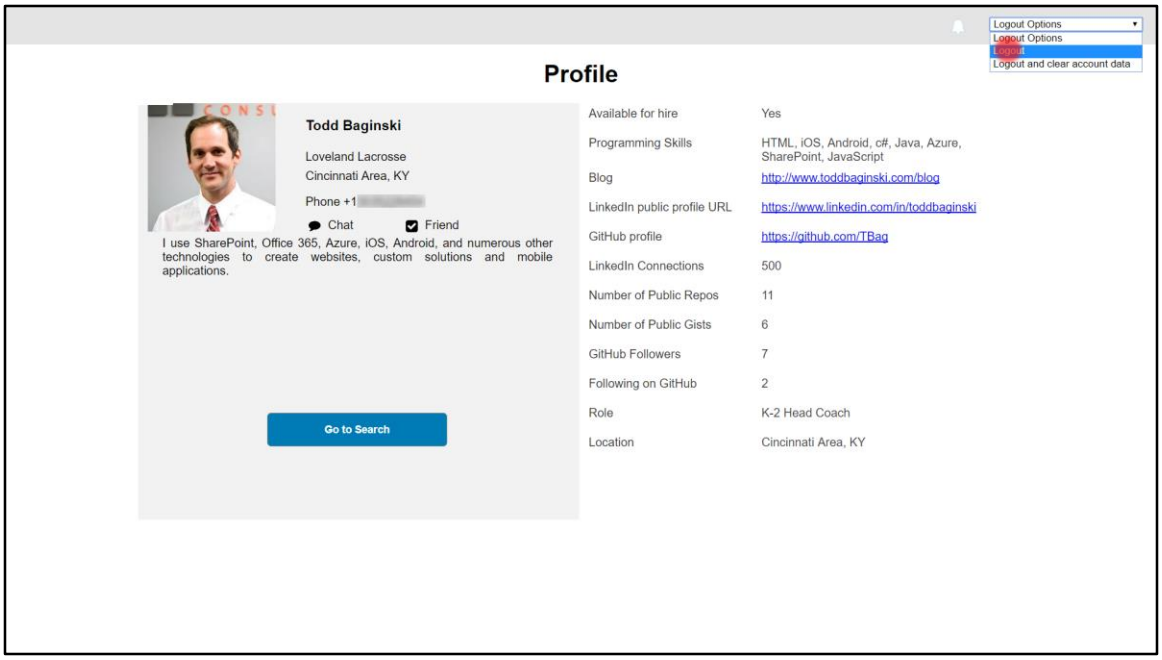
1. Watch the **Friend icon** change to indicate the friend was added

DevOps Scenario (CI / CD) – Part 1

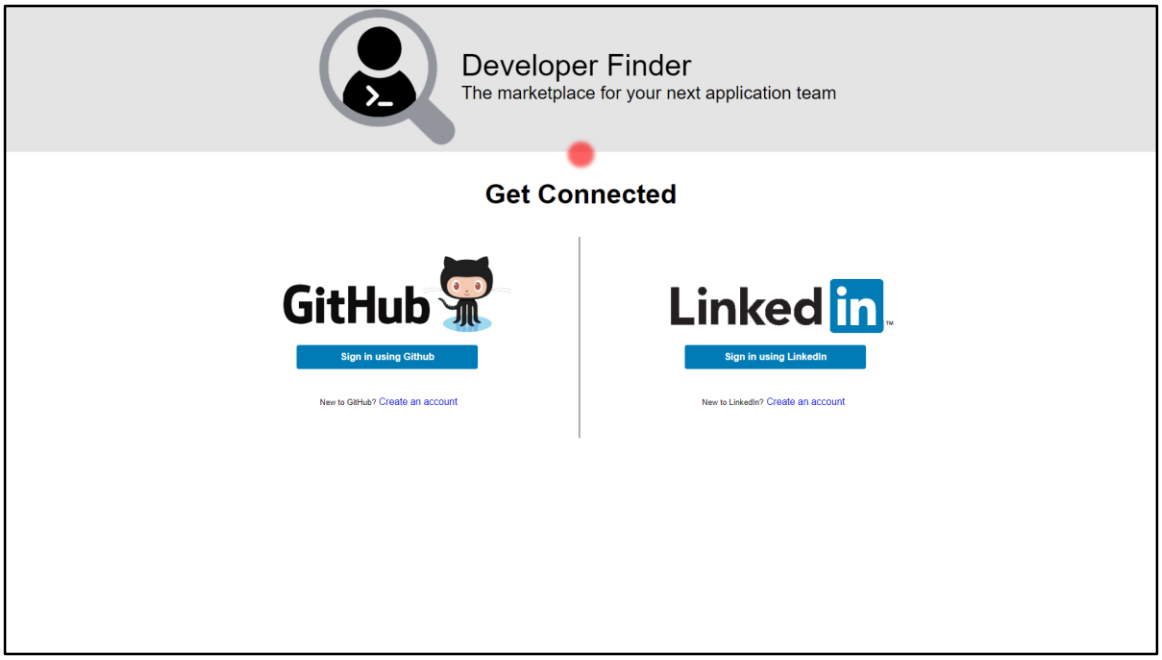


Developer 1

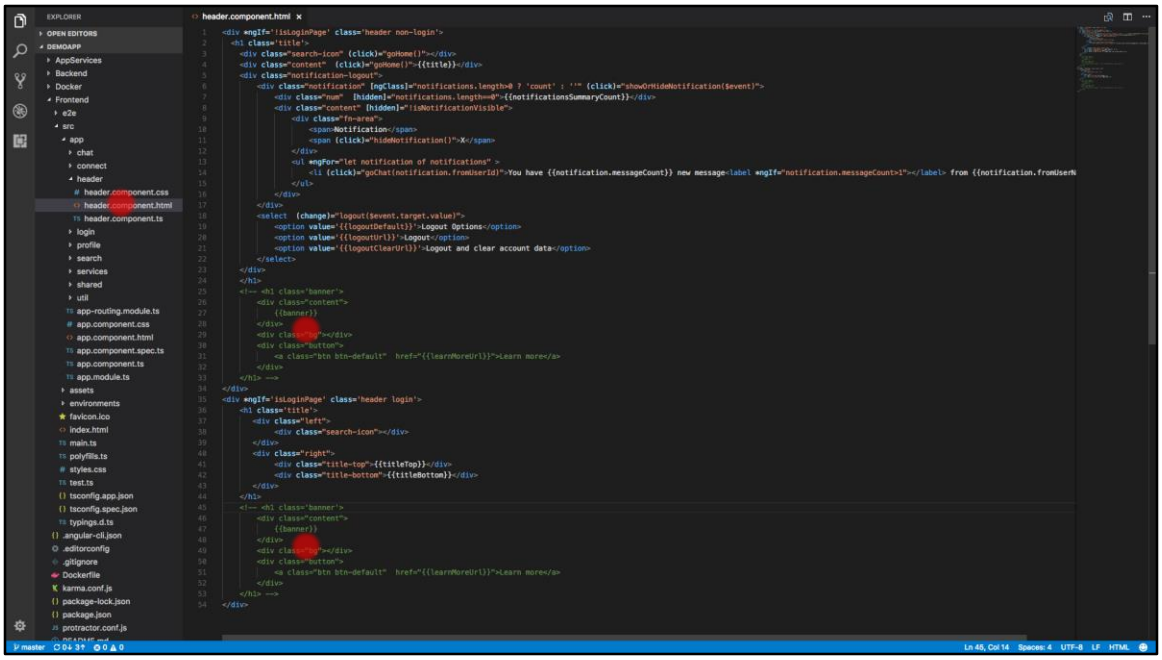
- Developer 1 executes this part of the demo.
- Developer 1 is a user who has access to the resource group where the Developer Finder application is deployed.



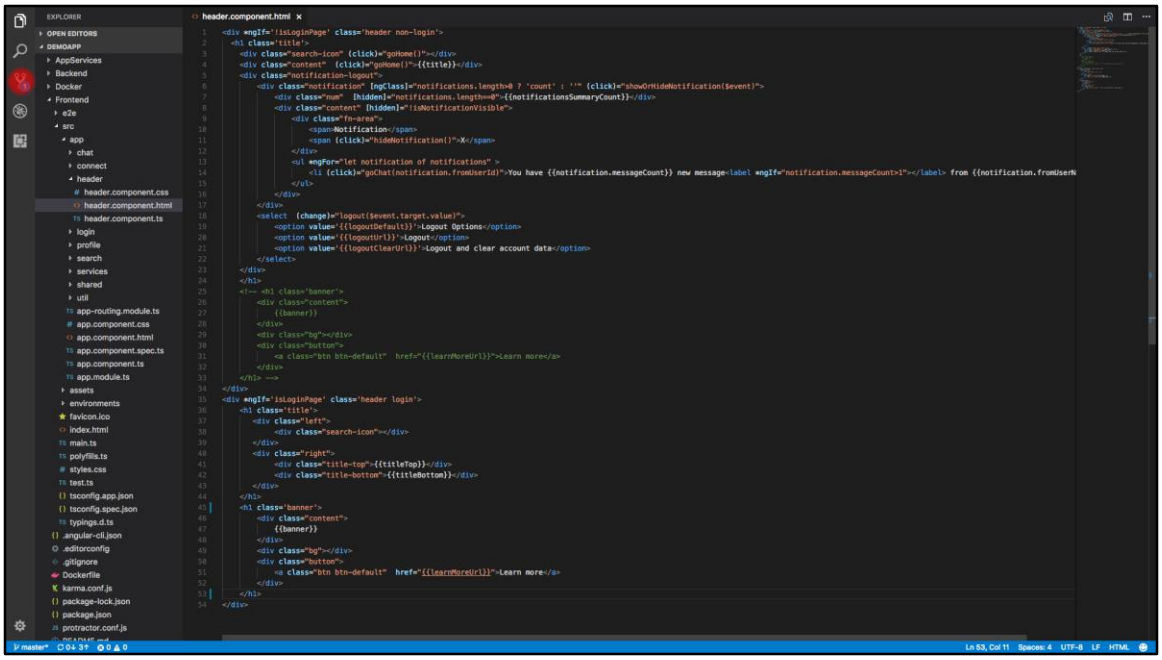
1. Logout from the app.
   You will be redirected to the login page.



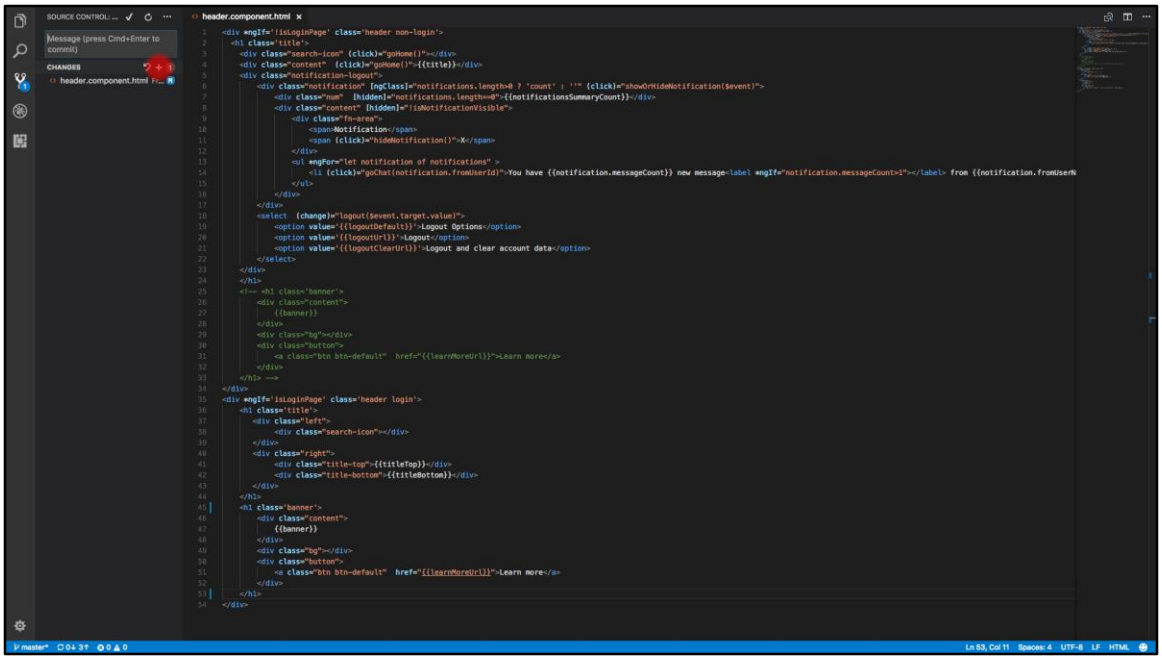
1. Notice that there is no banner.



1. Open the solution in VSCode
2. Open the file **/Frontend/src/app/header/header.component.html**
3. Uncomment code from **line 25 to line 33**
4. Uncomment code from **line 45 to line 53**
5. Finally, **Save** the file



1. Click the **source control icon**


SOURCE CONTROL:
Message (press Cmd+Enter to commit)
CHANGES
header.component.html
header.component.html
<div *ngIf='!isLoginPage' class='header non-login'>
<h1 class='title'>
<div class="search-icon" (click)="goHome()">
<div class="content" (click)="goHome()">{{title}}

<div class="notification" [ngClass]="notifications.length>0 ? 'count' : ''" (click)="showOrHideNotification($event)">
<div class="num" [hidden]="notifications.length==0">{{notificationsSummaryCount}}
<div class="content" [hidden]="!isNotificationVisible">

Notification
<span (click)="hideNotification()">X

<ul *ngFor="let notification of notifications" >
<li (click)="goChat(notification.fromUserId)">You have {{notification.messageCount}} new message<label *ngIf="notification.messageCount>1"></label> from {{notification.fromUserN

<select (change)="logout($event.target.value)">
<option value='{{logoutDefaultUrl}}'>Logout Options</option>
<option value='{{logoutUrl}}'>Logout</option>
<option value='{{logoutClearUrl}}'>Logout and clear account data</option>
</select>

</h1>
<!-- <h1 class='banner'>

{{banner}}

Learn more

</h1> -->

<div *ngIf='isLoginPage' class='header login'>
<h1 class='title'>

{{titleTop}}
{{titleBottom}}

</h1>
<h1 class='banner'>

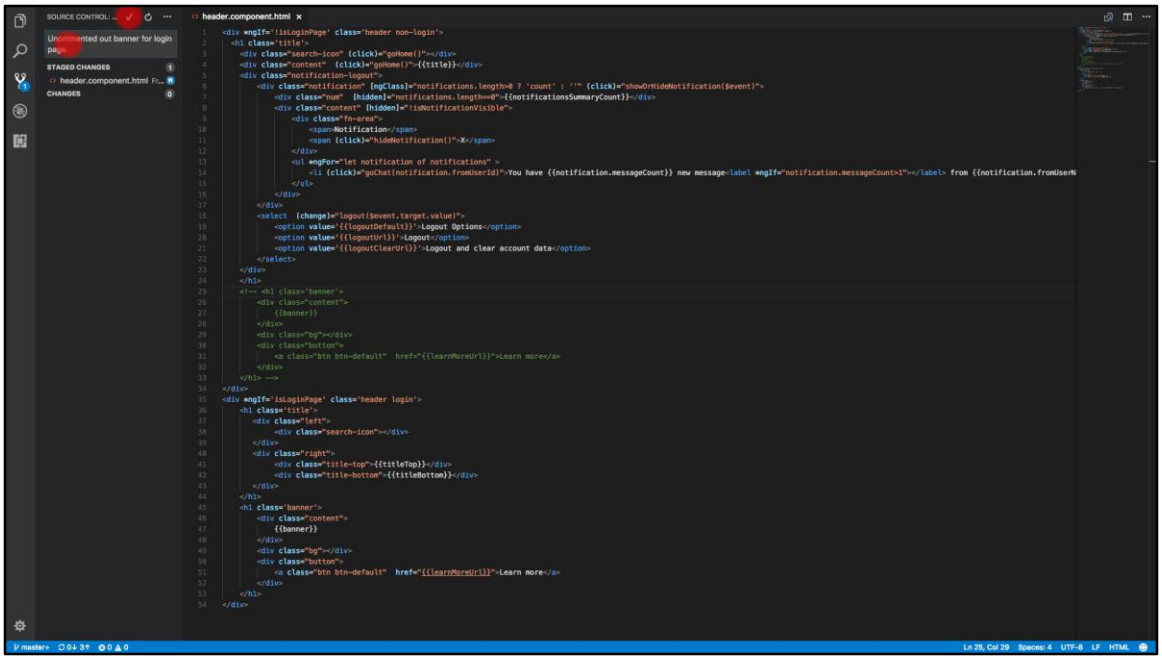
{{banner}}

Learn more

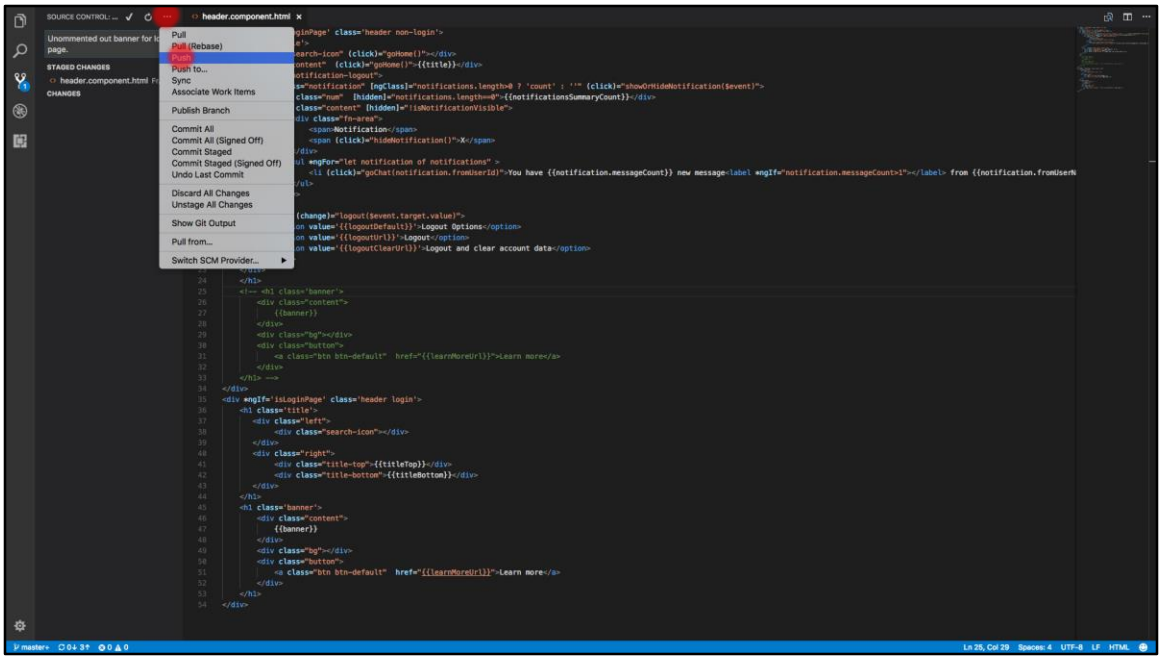
</h1>

master*
Ln 53, Col 11
Spaces: 4
UTF-8
LF
HTML

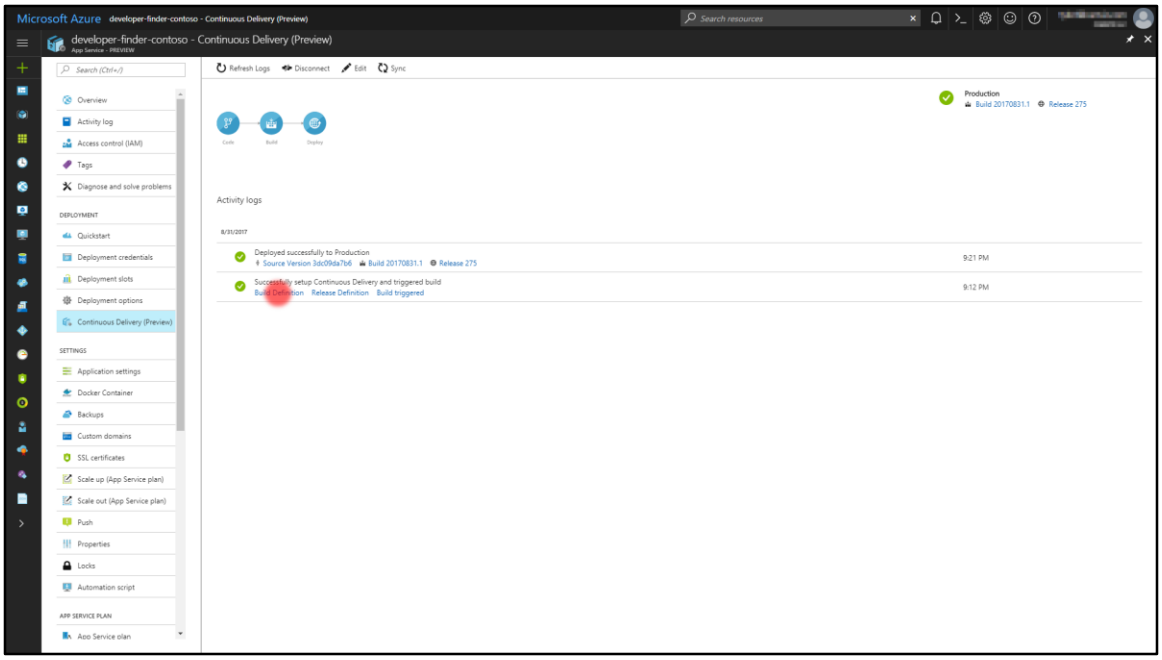
1. Click **+**



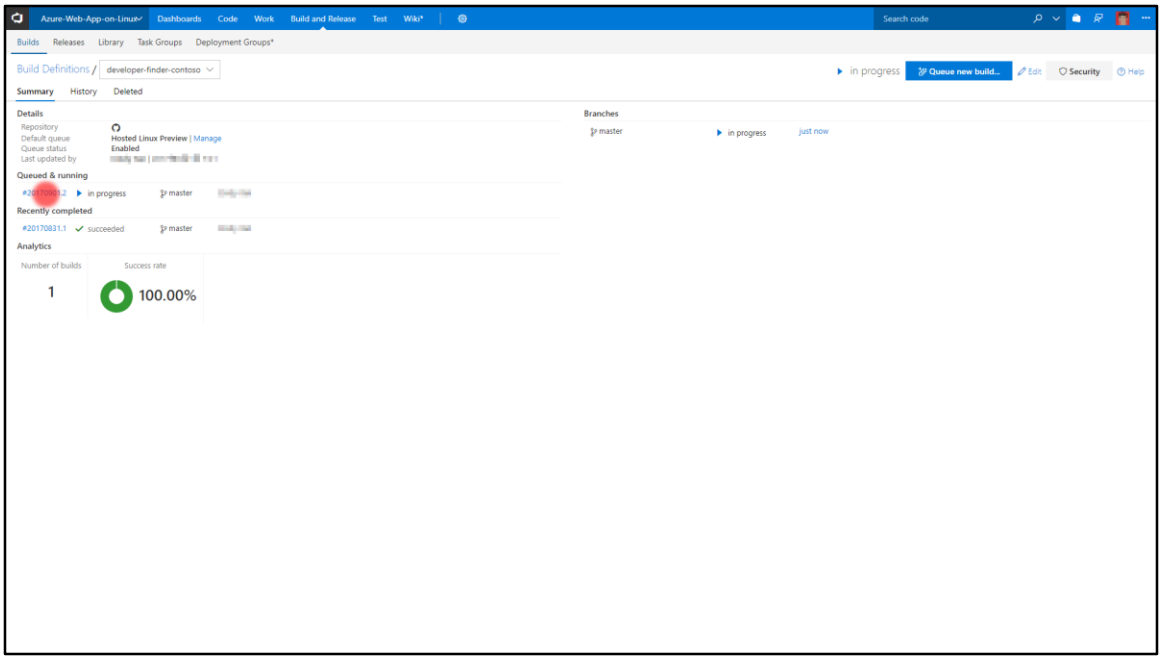
1. Input a comment: **Added banner to login and all pages.**
2. Click ✓



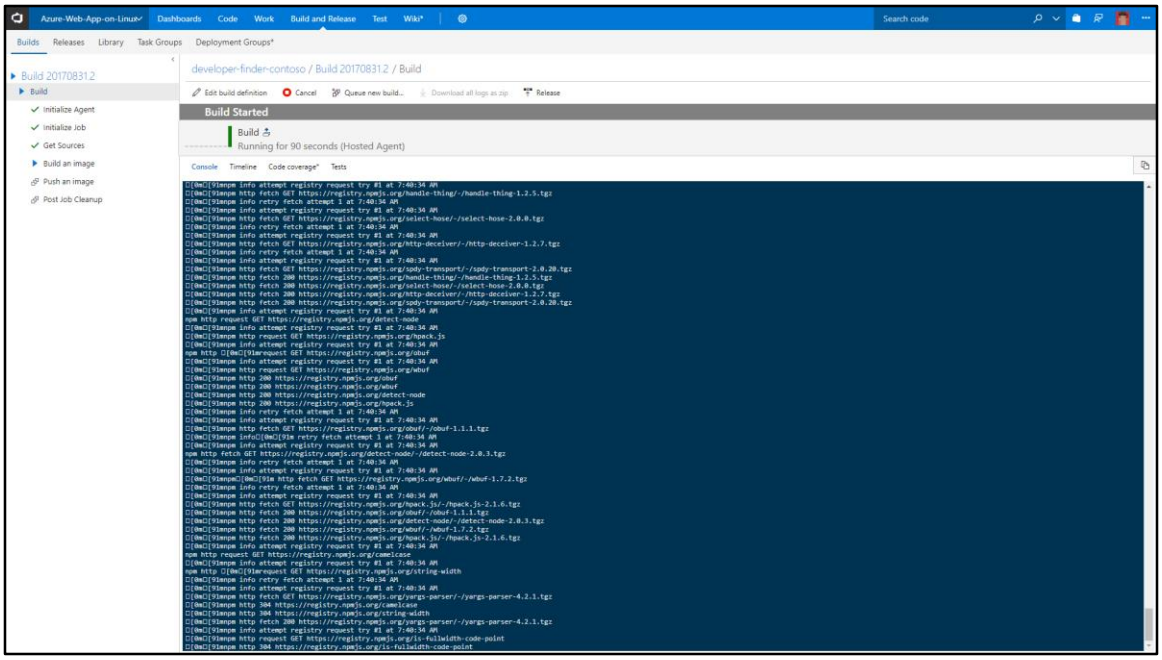
1. Click ···
2. Click **Push**

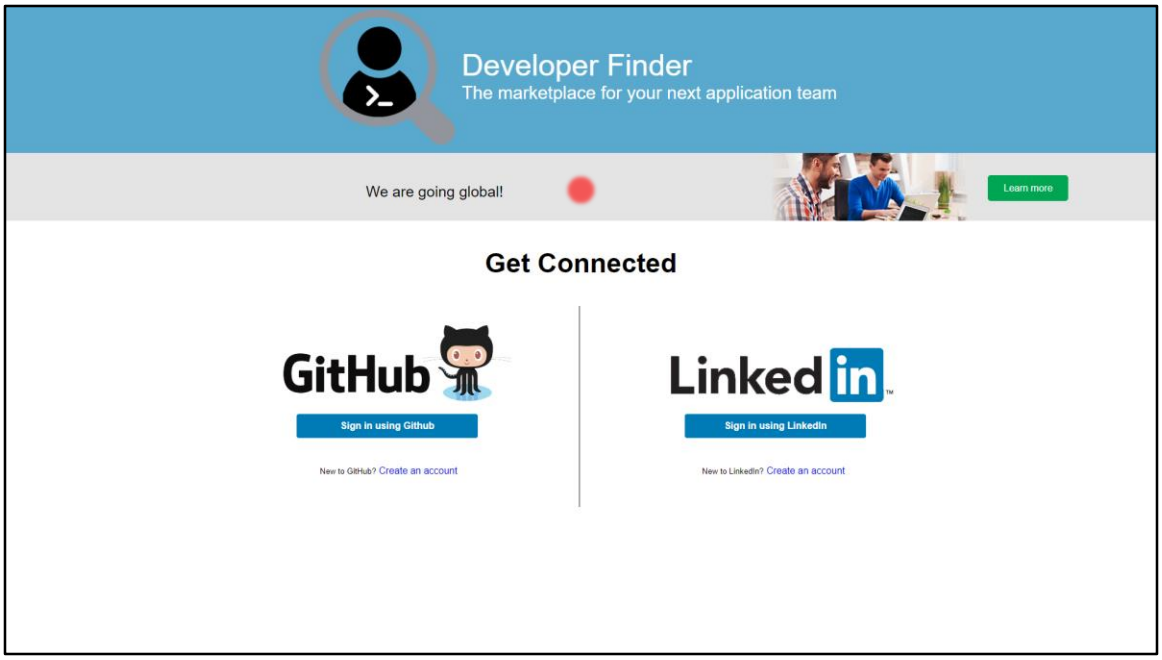


1. Click **Build Definition**



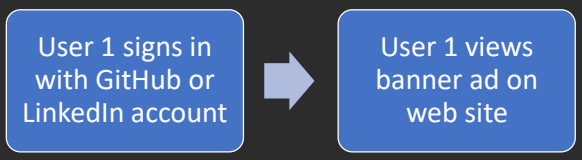
1. Click the running build


Azure-Web-App-on-Linux
Dashboards
Code
Work
Build and Release
Test
Wiki
Search code
Builds
Releases
Library
Task Groups
Deployment Groups
Build 20170831.2
Build
Initialize Agent
Initialize Job
Get Sources
Build an image
Push an image
Post Job Cleanup
developer-finder-contoso / Build 20170831.2 / Build
Edit build definition
Cancel
Queue new build...
Download all logs as zip
Release
Build Started
Build
Running for 90 seconds (Hosted Agent)
Console
Timeline
Code coverage*
Tests



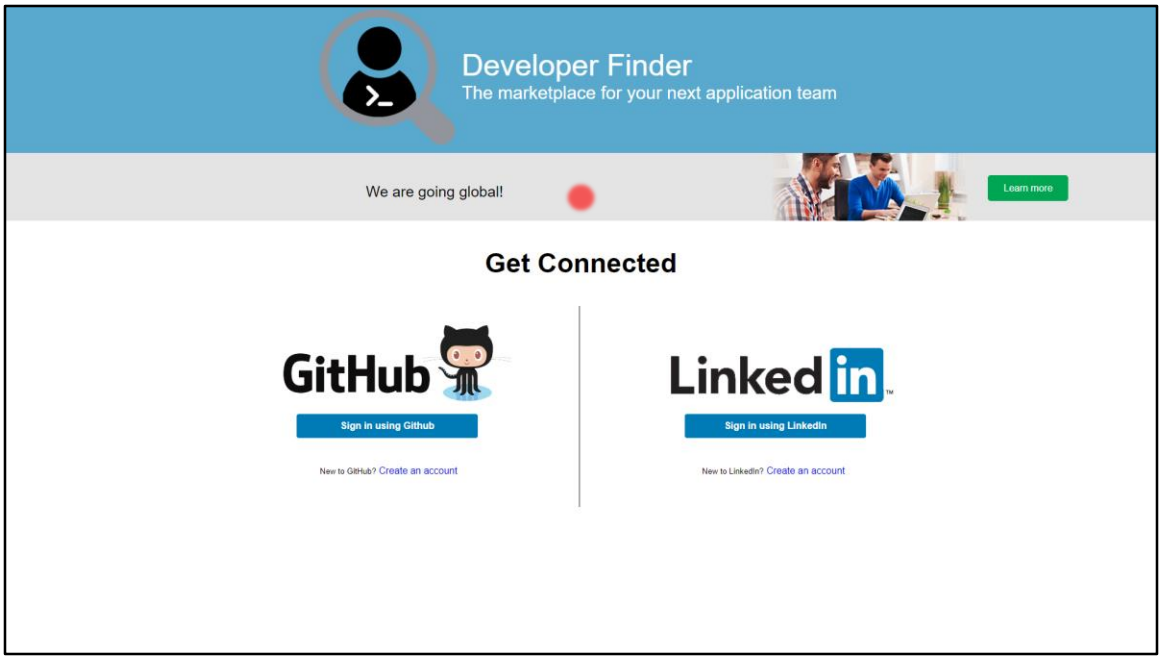
1. Wait for about 10 minutes
2. Refresh the login page, you will see the banner appear
   Note: If you see a **502 Bad Gateway** error, please wait for a few minutes then refresh the page.

DevOps Scenario (CI / CD) – Part 2



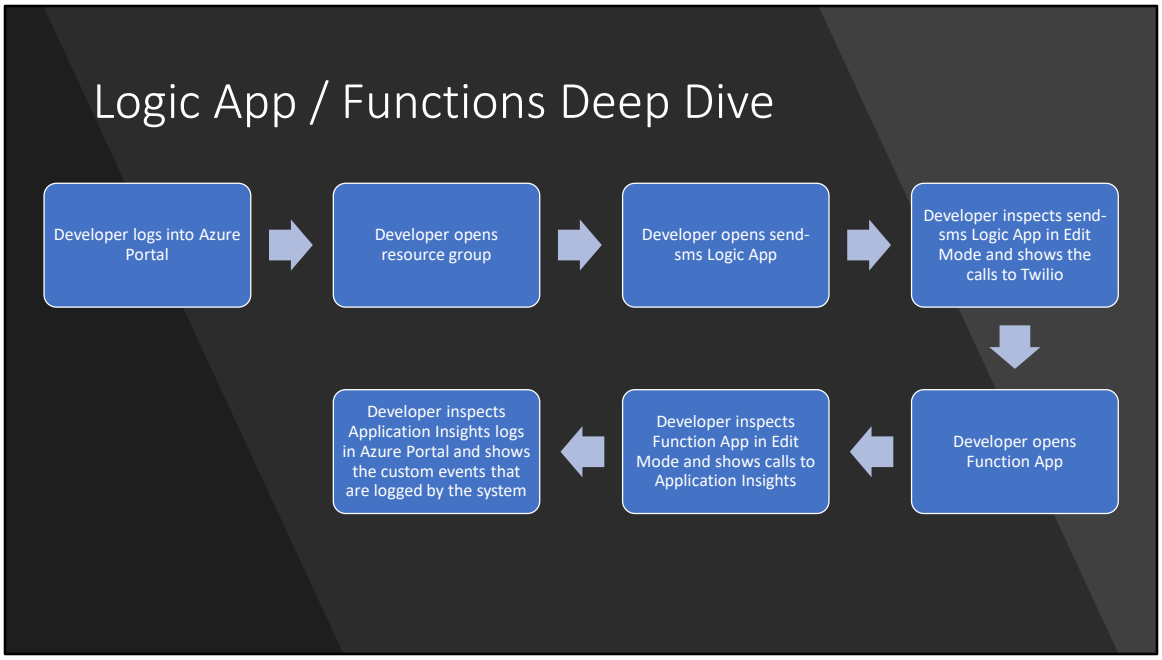
User 1

- User 1 executes this part of the demo.



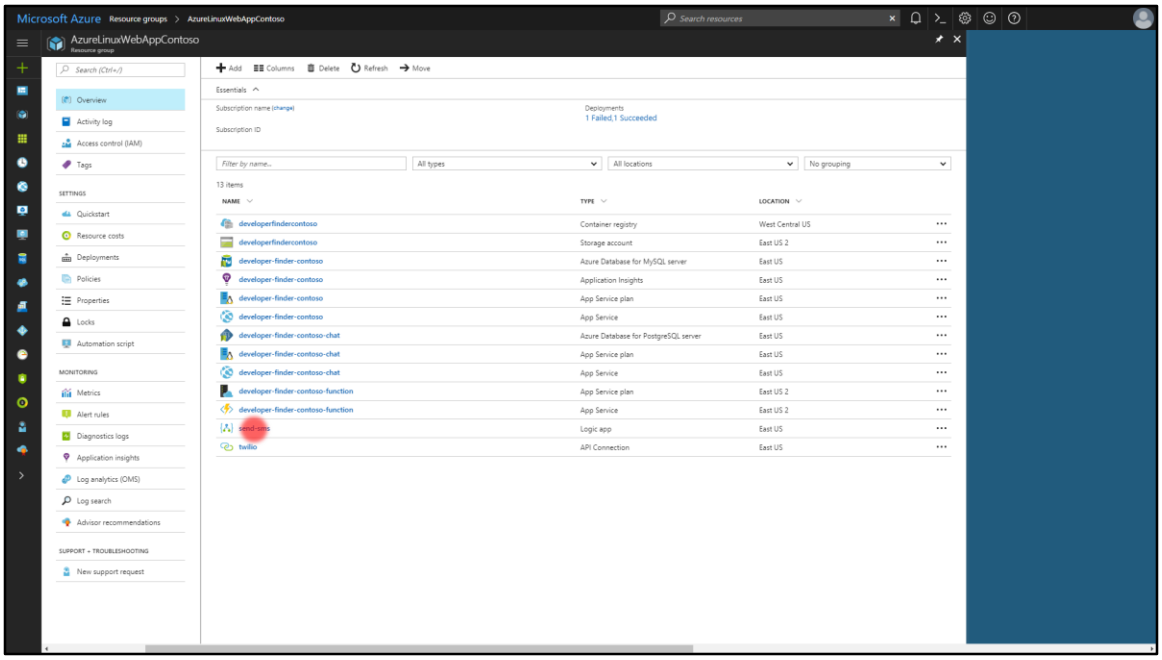
1. Navigate to the web app, you will see the banner appear

Logic App / Functions Deep Dive

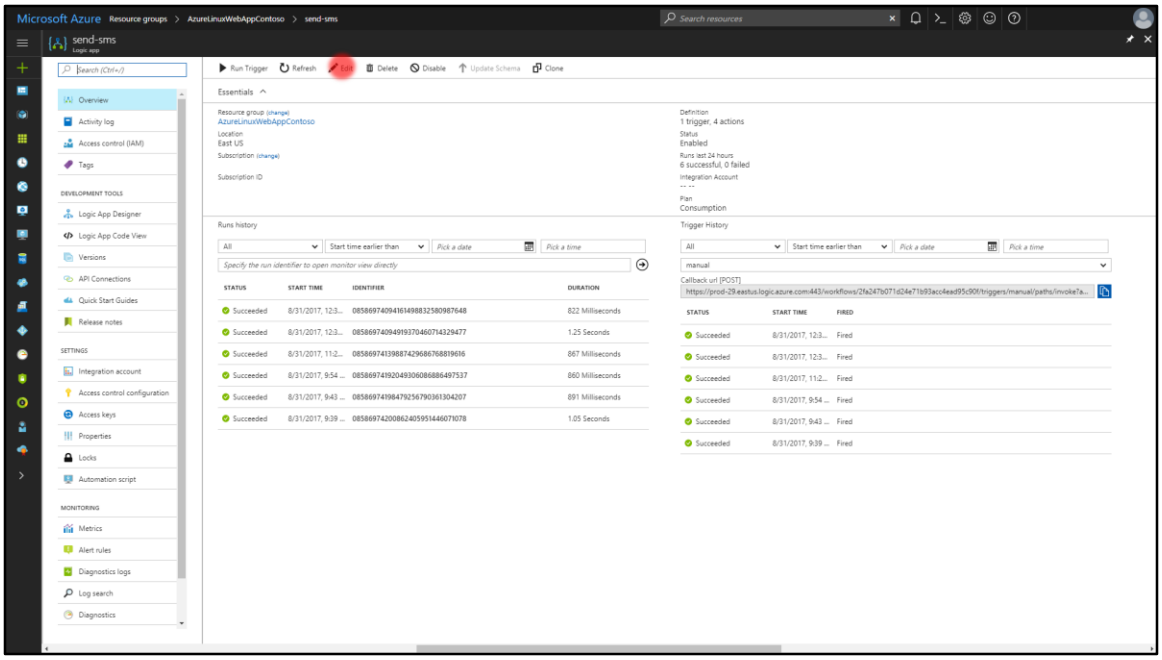


Developer 1

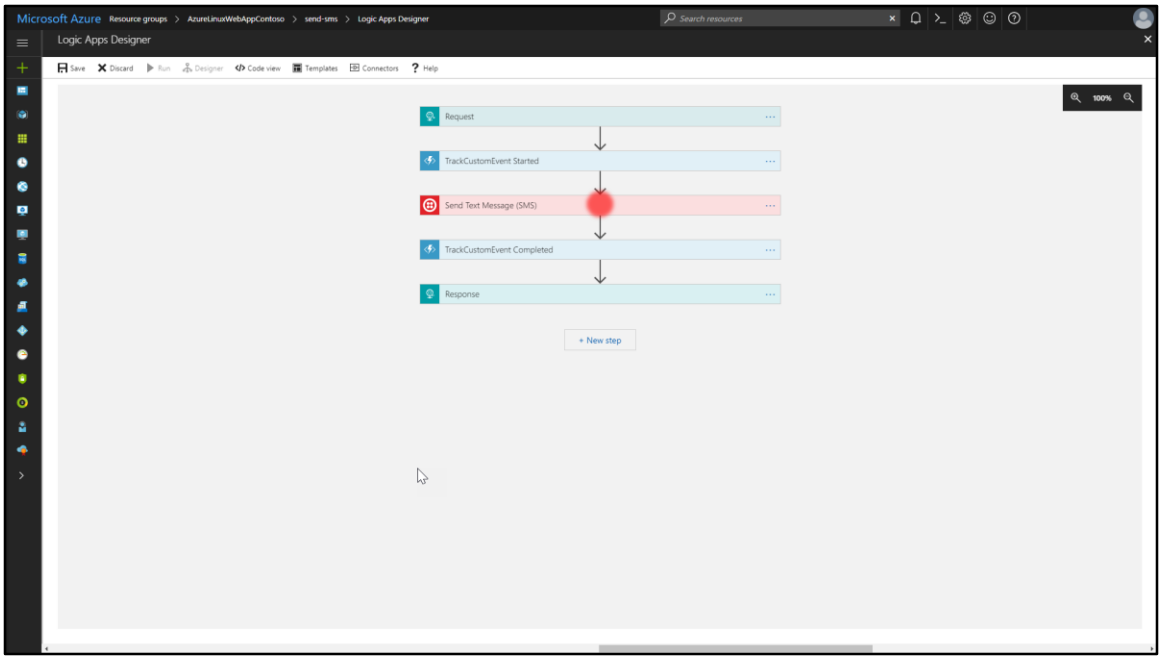
- Developer 1 executes this part of the demo.



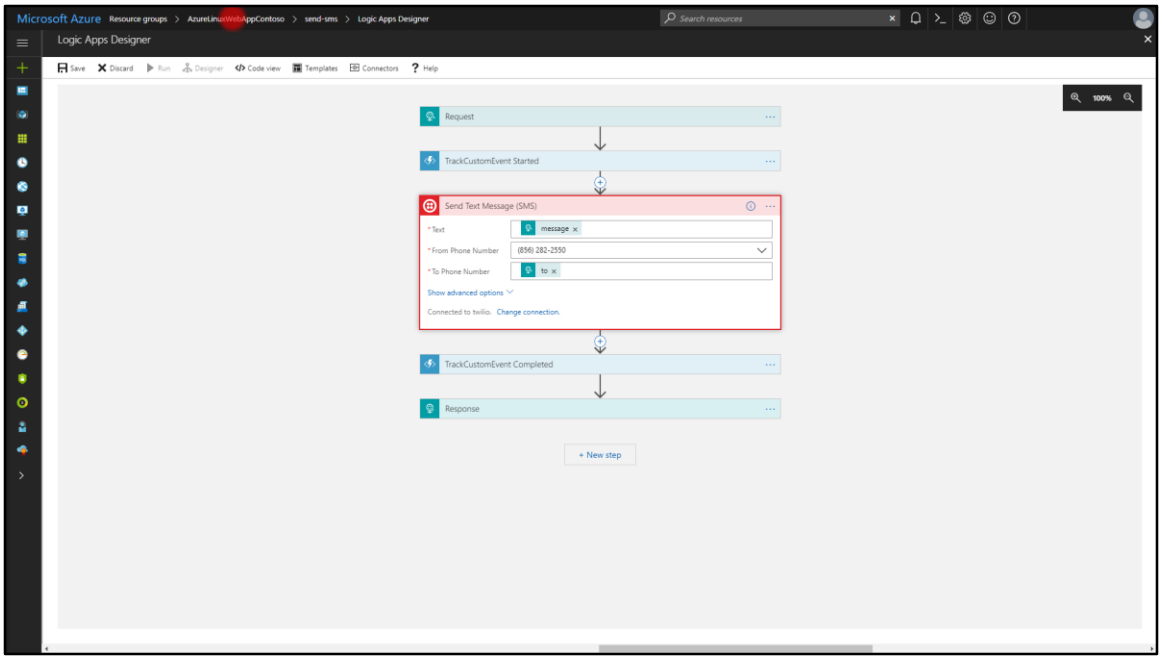
1. In a web browser open the **Azure Portal**
2. Log in
3. Open the **Resource Group** where the Developer Finder Application is deployed
4. Click the **Logic App**


Microsoft Azure
Resource groups
AzureLinuxWebAppContoso
send-sms
Search resources
send-sms
Logic app
Search (Ctrl+/)
Overview
Activity log
Access control (IAM)
Tags
DEVELOPMENT TOOLS
Logic App Designer
Logic App Code View
Versions
API Connections
Quick Start Guides
Release notes
SETTINGS
Integration account
Access control configuration
Access keys
Properties
Locks
Automation script
MONITORING
Metrics
Alert rules
Diagnostics logs
Log search
Diagnostics
Run Trigger
Refresh
Edit
Delete
Disable
Update Schema
Clone
Essentials
Resource group (change)
AzureLinuxWebAppContoso
Location
East US
Subscription (change)
Subscription ID
Definition
1 trigger, 4 actions
Status
Enabled
Runs last 24 hours
6 successful, 0 failed
Integration Account
Plan
Consumption
Runs history
Trigger History
STATUS
START TIME
IDENTIFIER
DURATION
FIRED
Succeeded
822 Milliseconds
1.25 Seconds
867 Milliseconds
860 Milliseconds
891 Milliseconds
1.05 Seconds
Fired

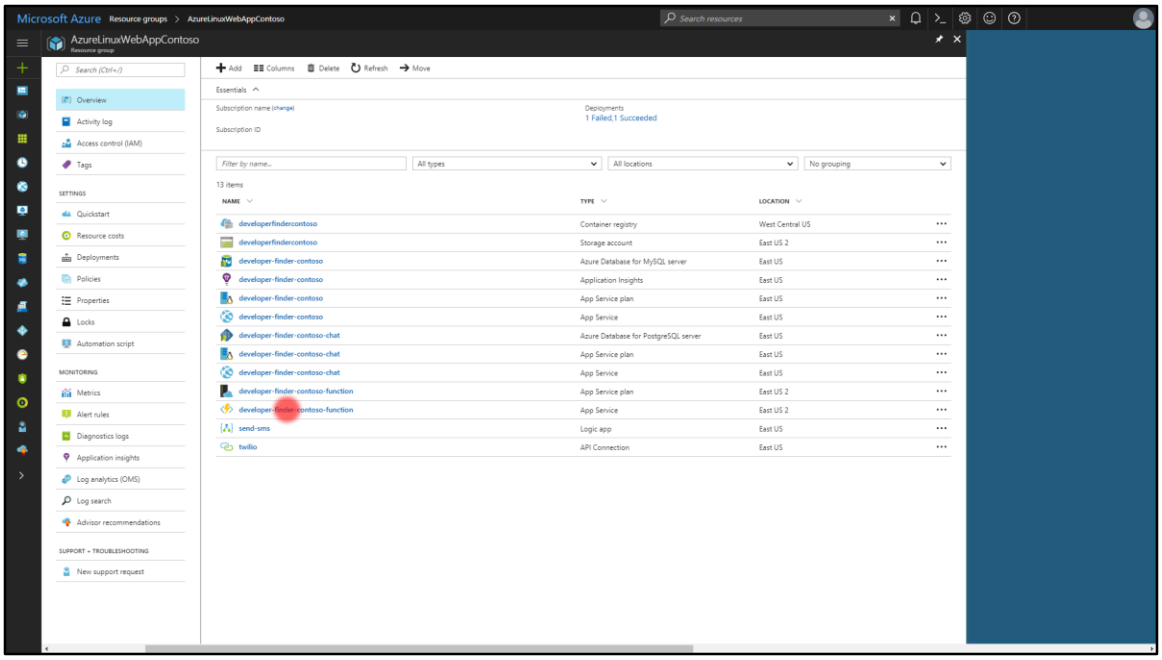
1. Click **Edit**



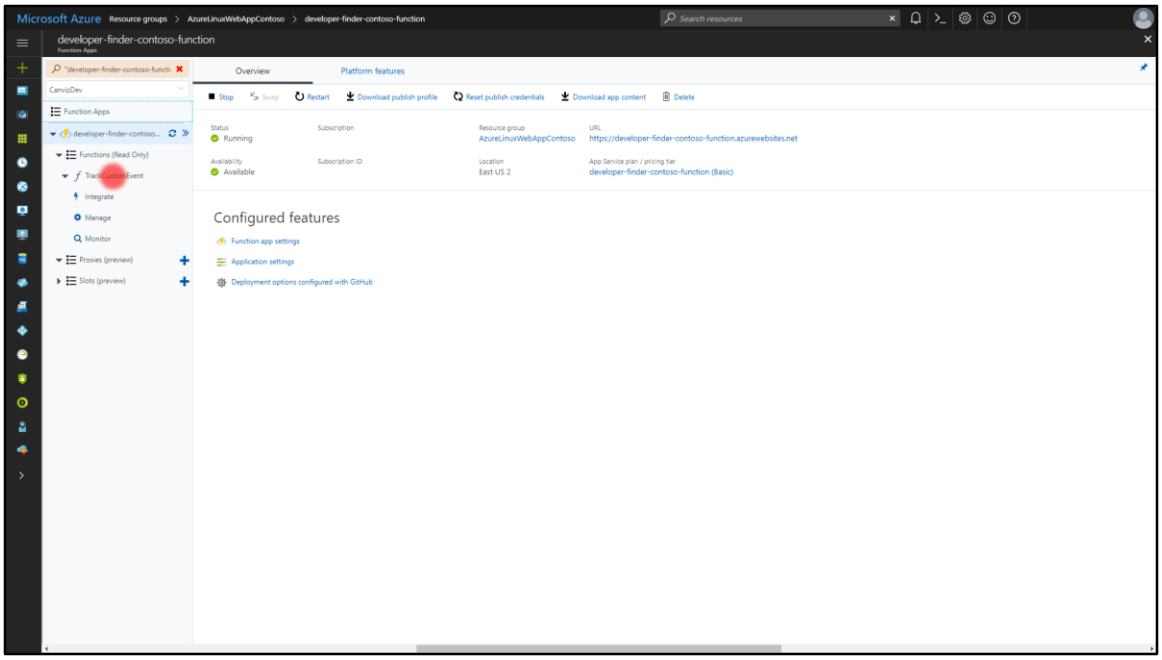
1. Click the **Send Text Message (SMS)** step



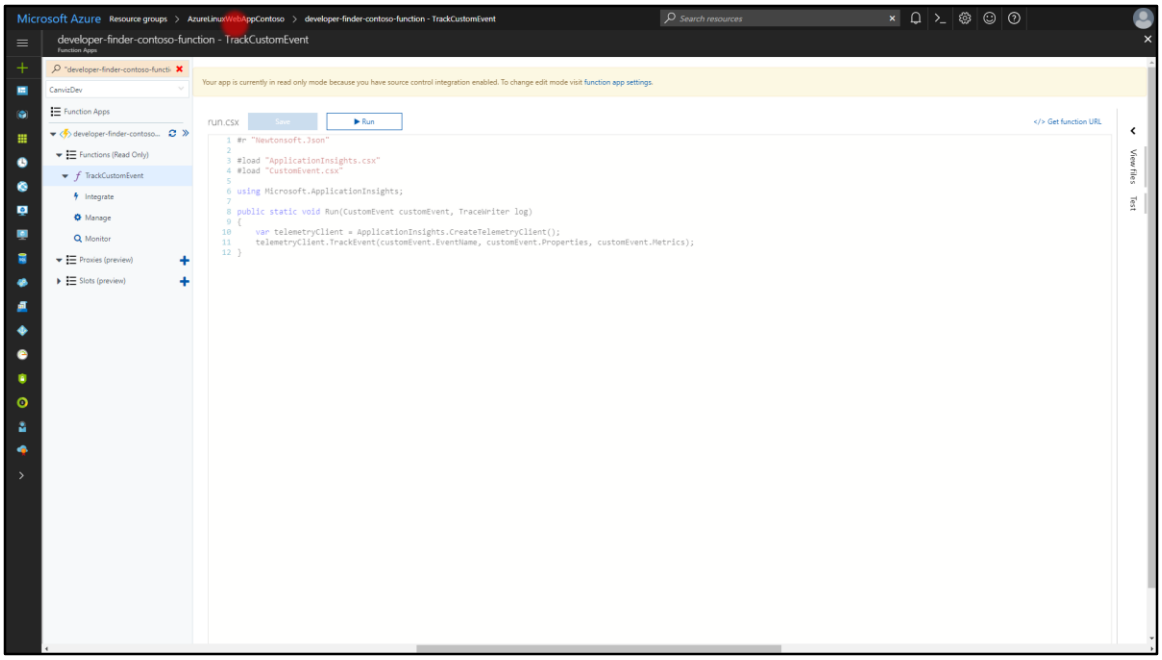
1. Show the details in the **Send Text Message (SMS)** step
2. Click the **Resource Group** in the breadcrumb at the top of the page



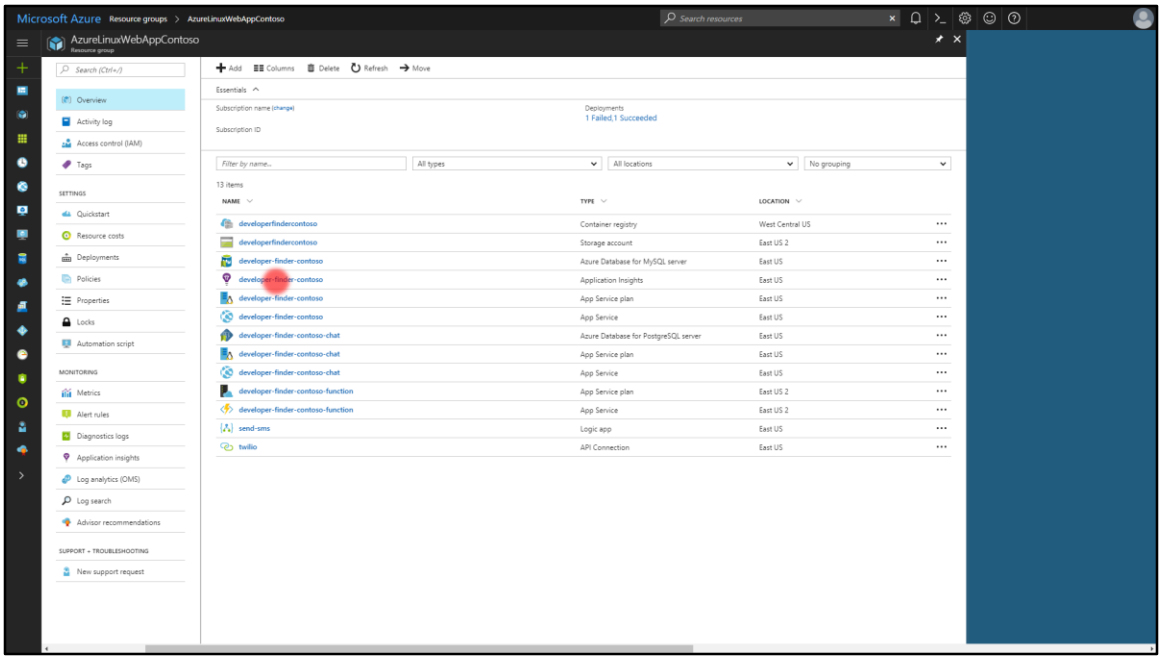
1. Click the **Azure Function**



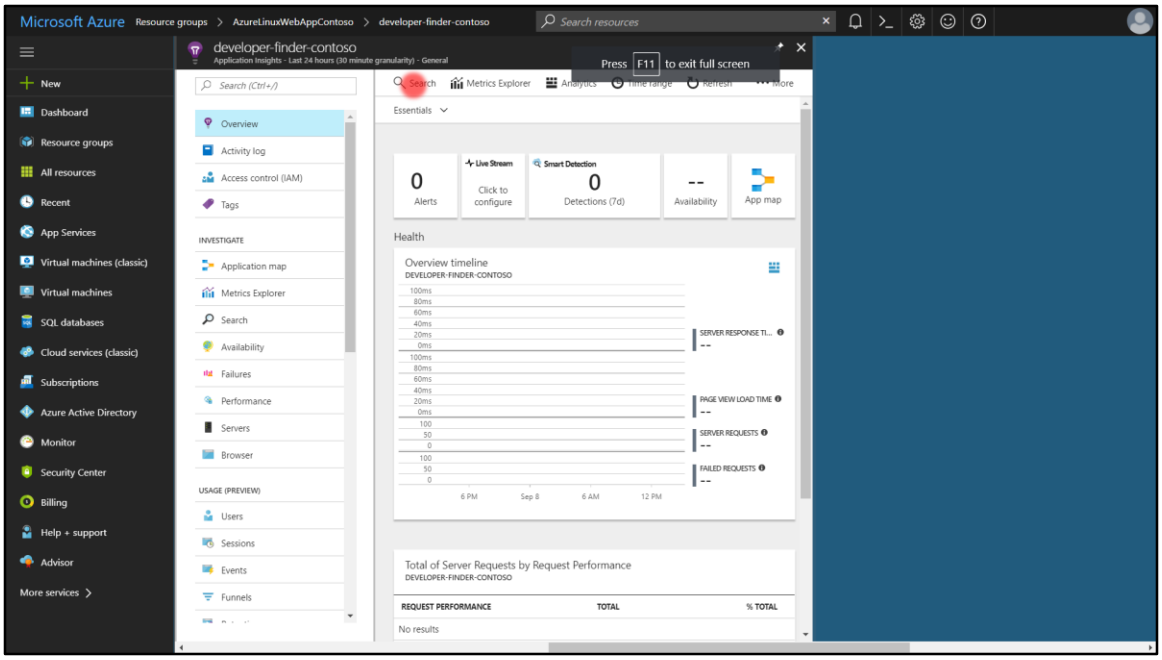
1. Click **TrackCustomEvent**



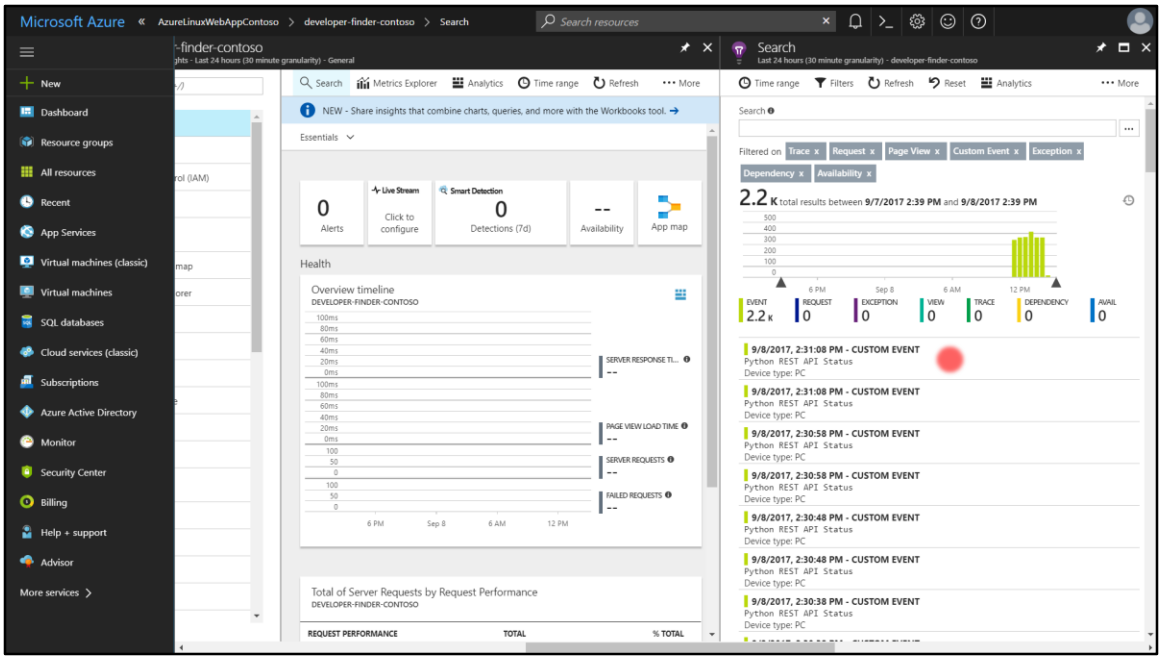
1. View the code in the TrackCustomEvent Azure Function that creates Custom Events in Application Insights
2. Click the resource group link



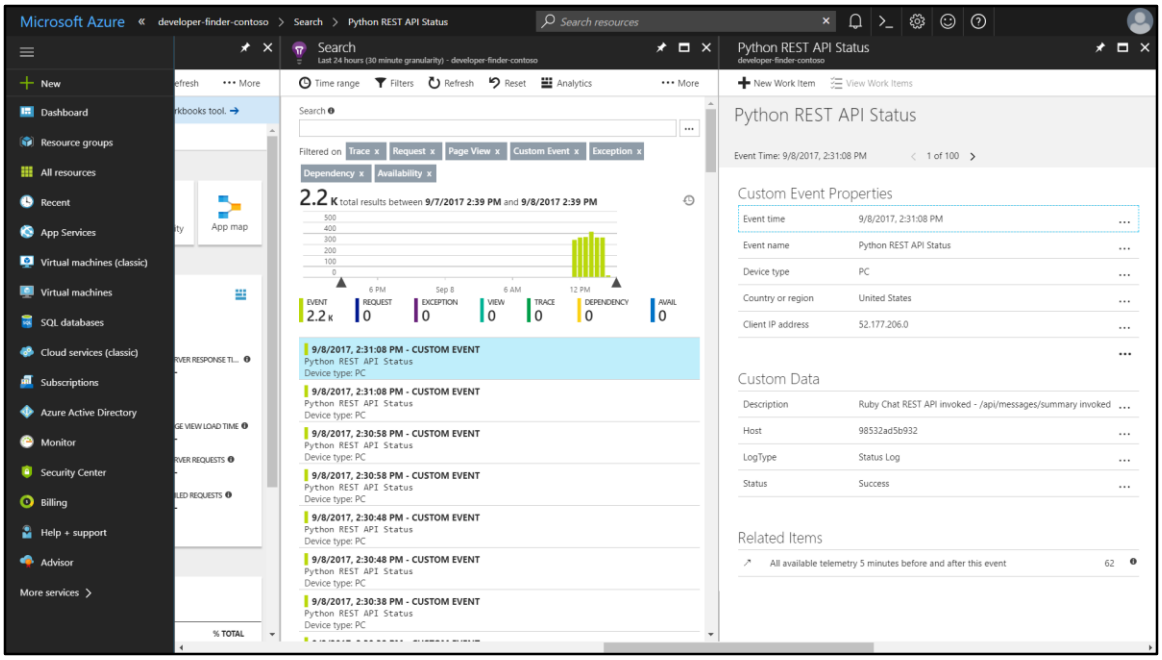
1. Click the **Application Insights**



1. Click **Search**



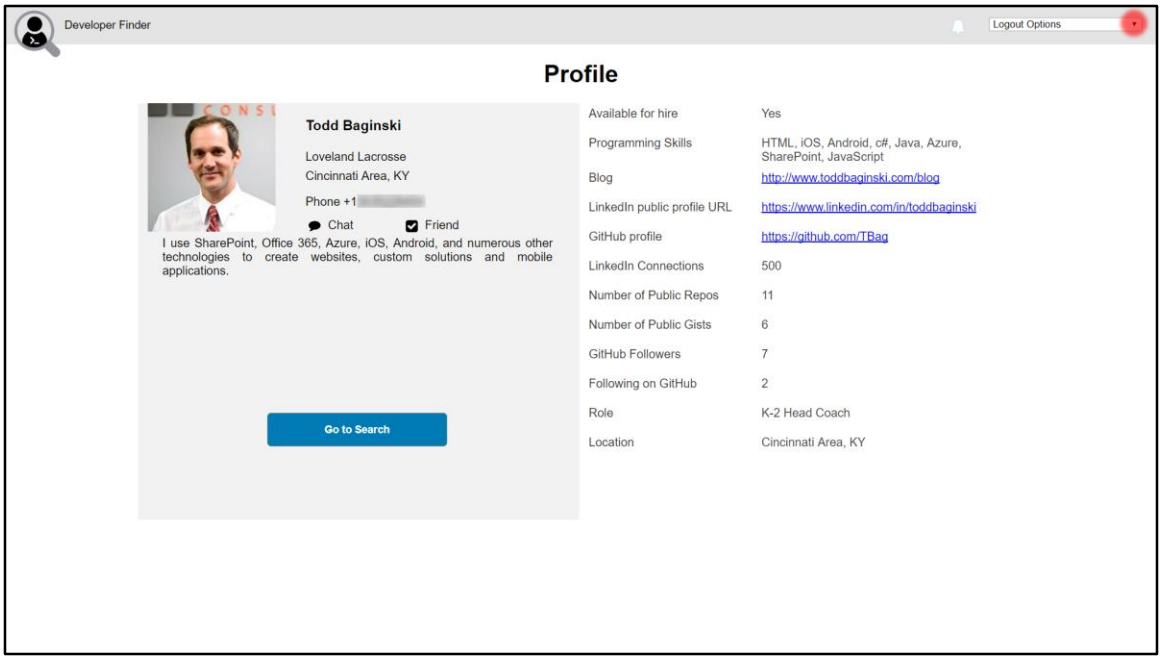
1. View the **Custom Events**
2. Click a **Custom Event**



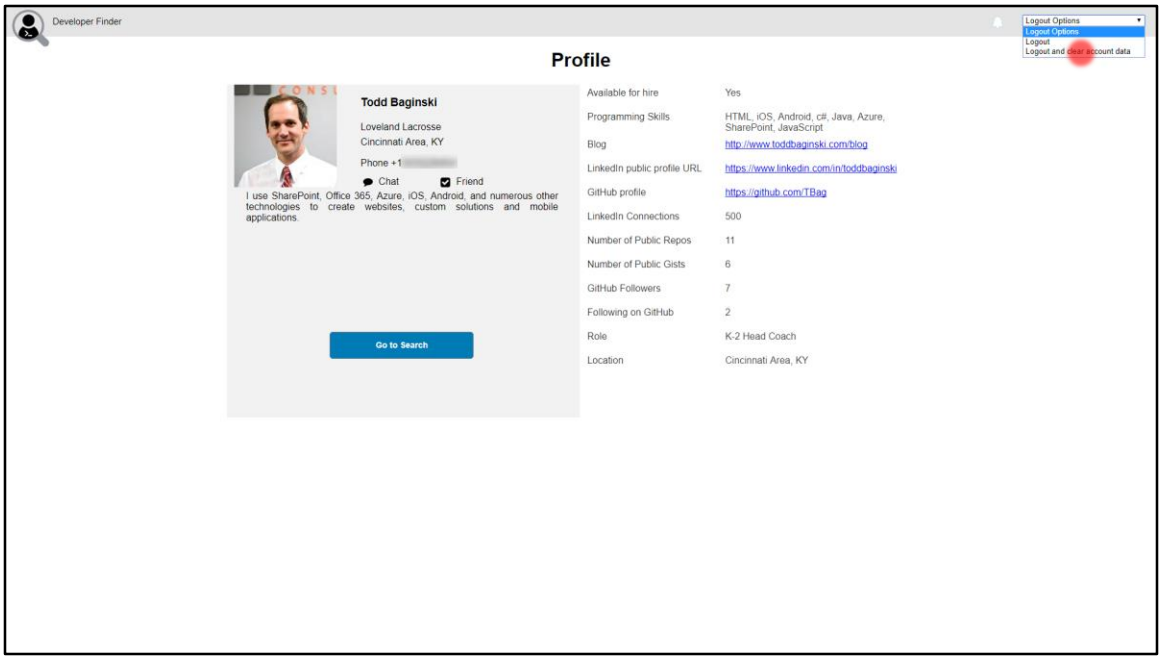
1. View the details for the Custom Event

Reset Demo User Accounts

- Resetting a demo user's account does the following things.
  - Deletes all the data in the database for the demo
  - Allows you to log in with the user again and do any demo steps entirely from scratch
  - See the following slides to see how to reset a user account



1. Open the **dropdown menu** in the top right corner



1. Select **Logout and clear account data**