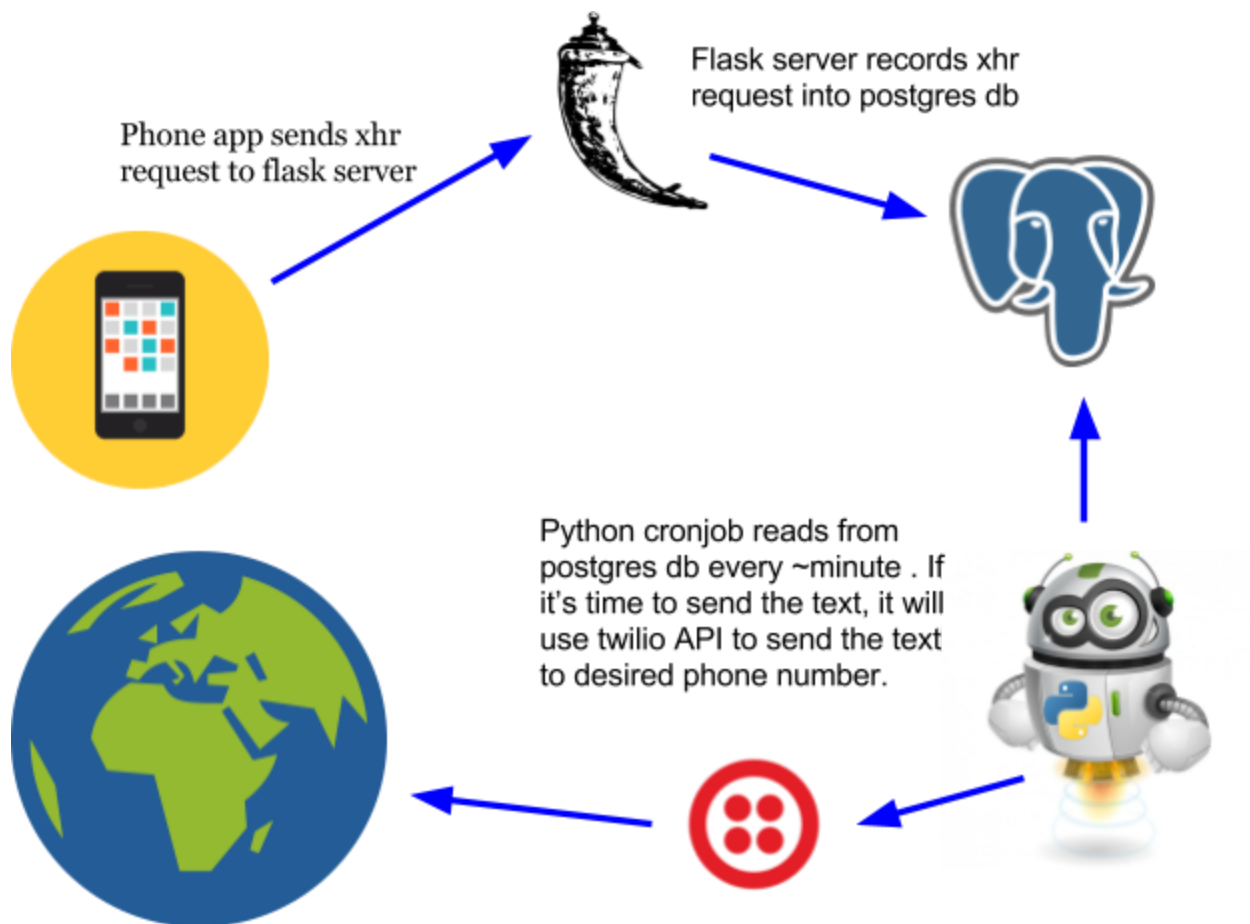


AutomataText Team Submission

The goal of AutomataText was to create an app which was capable of sending delayed texts to an end user. We were able to meet this goal with flying colors through the ecosystem we created this semester.

AutomataText is mvp (minimum viable product) feature complete. We were able to complete our three main goals : **(1)** Be able to schedule a text on the mobile application **(2)** Have these texts save in a cloud database and **(3)** Have these saved texts be sent at the correct time out by a third party API. Besides these 3 main features, you are also able to delete texts before they are sent.

Visual representation of our stack



Project breakdown - main files

App.py - James

This file is our main REST server. It contains the routes responsible for saving and deleting texts from the database. It is hosted on Heroku.

sendMsg.py - James

This file was our prototype sending texts file. It connects to our third party API, Twilio, to send a text.

Check.py & cron.py - Alex & James

These two files are responsible for checking the database for all texts scheduled for delivery. If it is their time to be delivered, the texts are sent through the Twilio API.

Requirements.txt

This file is crucial to running our server & cronjob on your local file server. It contains all of our dependencies. 'pip install -r requirements.txt' to download our project's dependencies.

MainActivity.java - Leang, Tj, Alex, James

This file creates the options menu, edit menu, and the list view of previous texts. Calls the editor activity when the add text button is clicked, or when a text in the list is clicked.

EditorActivity.java - Leang

Creates the menu that allows a user to create a text and pick a time for it to be sent. Most API calls to the cloud are made here. Splash Activity (Shows the splash screen at startup)

Task.java - Leang

Class for our task data structure

TaskCursorAdapter.java - Leang

Creates and updates the view for the list of texts from the local database.

Activity_main.xml - Leang, Alex

Layout for the main page

Activity_editor.xml - Leang, Alex

Layout for the main adding/editing a text view

Item_task.xml - Leang, Alex

Layout for texts within activity_main.xml