

# VotePower

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Presentation Demos

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<https://github.com/J-sonLi/Vote-Power>

<https://votepower.herokuapp.com/>

# Product Definition

An all-in-one voter information application that aims to eliminate the hassle in finding out where and when to vote for local, state and federal elections by providing users a seamless interface to vote-plan accordingly.

# DEMO

Thank you!

ANY QUESTIONS?

# Technologies Used

**Communication:** Discord

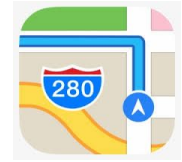
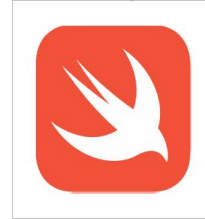
**Mobile App:** Swift , Apple MapKit

**Web App:** Flask, Bootstrap

**Email Notifications:** Twilio's Sendgrid

**Database:** PostgreSQL

**Web Hosting:** Heroku



Flask

Bootstrap 4



PostgreSQL



heroku

# TECHNICAL TOPICS

# Twilio's SendGrid

Mathew and James

# SendGrid



SendGrid is a cloud-based SMTP (Simple Mail Transfer Protocol) Service. Great for sending

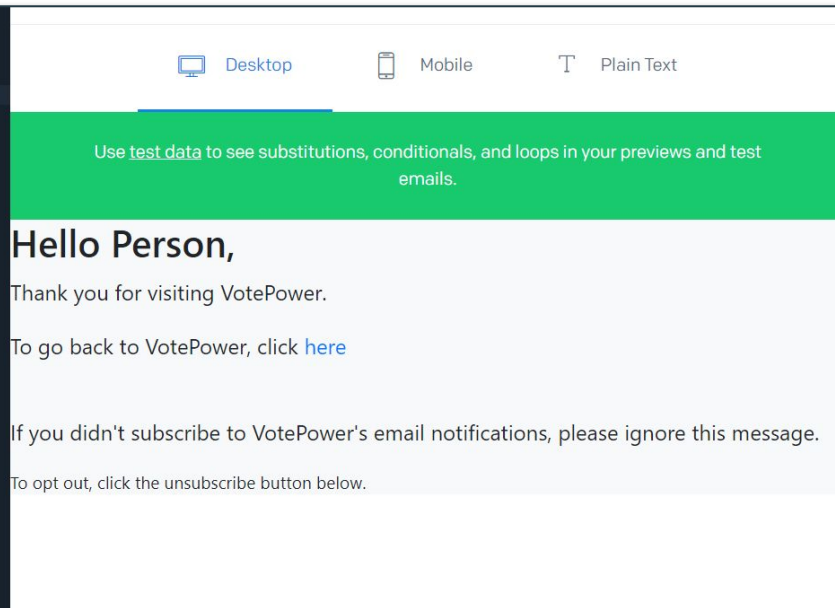
- Account creation emails
- Password resets
- Purchase receipts
- Account notifications



# SendGrid



```
1 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css
2 /bootstrap.min.css">
3
4 <div class="bg-light">
5   <h3>
6     Hello {{full_name}},
7   </h3>
8
9   <p>
10     Thank you for visiting VotePower.
11   </p>
12   <p>
13     To go back to VotePower, click <a href="https://votepower.herokuapp.com"> here </a>
14   </p>
15   <br>
16
17   <p>
18     If you didn't subscribe to VotePower's email notifications, please ignore this
19     message.
20   </p>
21   <small>
22     To opt out, click the unsubscribe button below.
23   </small>
24 </div>
```



# SendGrid



## PROS:

- Signing up is free and no credit card is required for trial
- Simple UI that's easy to navigate through
- Easily create email templates

## CONS:

- Limited options in creating email templates
- Expensive for higher tier services

# SendGrid



## Alternatives:

### AWS Simple Email Service

- Requires Credit Card for trial
- Cheaper than SendGrid overall

### SendInBlue

- More expensive for lower tier services
- but cheaper higher tiers.
- Start with Free 9000 emails / month

Email Marketing Services	Cost at 40,000 emails:	Cost at 250,000 emails:	Cost at 1,000,000 emails:
Amazon SES >	\$4	\$25	\$100
SendGrid >	\$9.95	\$199.95	\$534.95

Number of emails sent	Sendinblue	SendGrid
2 emails / month to 1,000 contacts	Free	Free
2 emails / month to 5,000 contacts	\$25	\$15
2 emails / month to 20,000 contacts	\$54	\$50
2 emails / month to 50,000 contacts	\$99	\$120
2 emails / month to 110,000 contacts	\$229	\$450
2 emails / month to 190,000 contacts	\$379	\$900

Based on [sendgrid.com/pricing](https://sendgrid.com/pricing) on 11/26/20.

# Google Civic Information API

Sunni and Jason

# Google Civic Information API

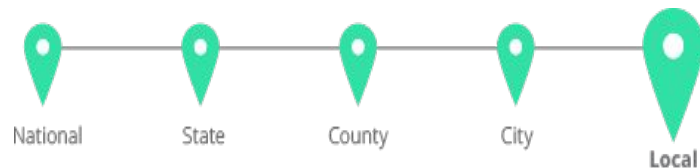


Google Civic API allows developers to display civic information to their users.

Federal, State, Or Local level of government

Only for U.S election, you can see:

- Polling addresses
- Candidate data
- Other election information



# Google Civic Information API Data



## What is the voting information project?

The Voting Information Project works to connect voters with election information, supporting voters with the election and voting process.



**THE VOTING INFORMATION  
PROJECT**

Official data is collected from local and state governments through the Voting Information Project

# Google Civic Information API Functions



**Quotas per day: 25,000**

**The three main search points:**

- Search by election
- Search by representative
- Search by division

**Issue:**

- Election data may not be available if it is not close to the election date

Some local elections may not be available if data is not submitted

Thank you!

ANY QUESTIONS?