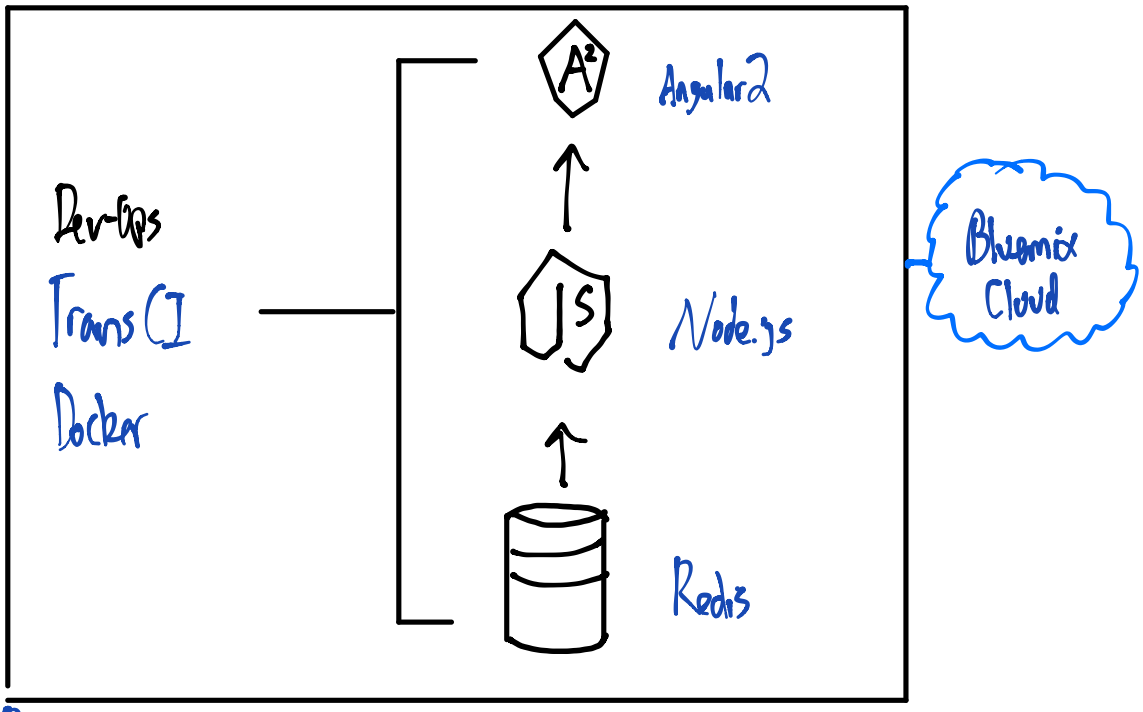
SHPE Austin Architecture



Redis.js

An open source, in-memory data structure storage.

Data currently stored:

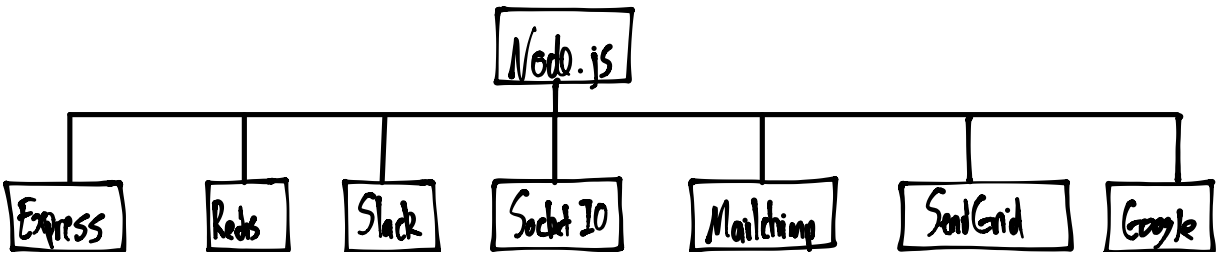
Keys

announcements, calendar, jobs, resume/Member id, mailchimp, google form, newsletter, officer list

A copy of all of the data stored is in server/server-data/

Node.js

Event-driven I/O server-side Javascript environment based on V8.



Express

Web development framework for node.js

I exposed 4 main route controllers via express. They are located in server/router/main.js.
All front end goes to /dist/index.html, where Angular2 takes care of the routing.

/authentication - used to authenticate users
/data - CRUD of all database data
/update - used to update certain parts of Redis d.b.
/communication - communicates with SendGrid, Mailchimp, and Slack

Redis

Module used to connect to Redis instance

Slack

Slack bot, called SHPE-BOT, was created on SHPE's slack channel. The only thing it does now is update the Google calendar.

Socket IO

Used to control and manage chat app on the contact page.

Mailchimp

Service brought in to subscribe users to the SHPE newsletter

SendGrid

Service used to send emails

Google

Currently using the Google Calendar API to retrieve all calendars from SHPE Austin

Angular2

Angular is a development framework for building mobile and desktop applications. I also

attached webpack to make development easier

webpack

a bundler for javascript

All of the Angular2 files are stored in the client/ directory.
To get started on Angular2, check out the "Tour of Heroes: ts-Tutorial", to learn how to manage an Angular2 app.

Travis CI

I attached a webhook to Travis and my Github Everytime there is a commit to the Shape Quotes website, it automatically starts a new build.

Docker

To ensure that the app runs OS independent, I wrote a docker file that creates a container and image for the app. More info is on the README.