Workflow Document

Code Editor :Visual Studio Code

The most important thing about VSC is that its not just an editor. It contains many other features that makes it a complete development tool that I need in my tool belt why building apps or writing code.
Some of the best features of VSC are :

1. Debugger
2. Support for packages
3. Git
4. Various other autocomplete features while coding

Languages : Typescript/JS/Python etc.
Installation is extremely easy : https://code.visualstudio.com/Download
Please use the link to download VSC and install it on your OS.

Code Compiler and Local Server Hosting : Gulp

Gulp is a task/build runner for development. It allows you to do a lot of stuff within your development workflow. You can compile sass files, uglify and compress js files and much more. The kicker for gulp is that its a streaming build system which doesn't write temp files.

We can do a complete array of things with Gulp, but we are mainly concerned with two main things.

1. Auto-Compile TypeScript and
2. Preprocess SaSS.

There is a really good tutorial -> https://cmatskas.com/setting-up-a-gulp-task-with-visual-studio-code/

Testing && Frameworks :

Karma with Jasmine
Unit Testing and Test Runner tasks can be run using Karma and Jasmine.
You can also write unit tests in python and run using VSC.
There is a good tutorial about the installation of Karma using Jasmine Framework :
https://taco.visualstudio.com/en-us/docs/unit-test-03-basic-testing/

Local Server and Deployment :

Heroku for server
I'm using heroku because of how easy it is to push code and scale.
No loadbalancer needed, no SSH needed, no sys admin needed...
"git push heroku master" and boom, it's online!
And with their pipeline, I push on dev first, then I can promote to beta, and then finally I can promote the code to prod, all with one click of a button.
Use Heroku : https://devcenter.heroku.com/start

Dockers for containers
Easy and Quick Deployment to containers without having to run it on a specific server. Its extremely mobile and can be set up without the need of a VM.
I didn't know much about containers before i start the Scalability class but i have been reading up on it and i think Dockers is an extremely must have in your tool belt.
Great Link for Starting to learn and implement :
https://opensource.com/resources/what-docker

Code Repository and Team Work and extras:

Slack : Messaging and Team Coordination App
Installation : https://slack.com/downloads/osx

Git : Code Coordination and Maintenance
Installation : Github Desktop app : https://desktop.github.com/

TeamViewer : Offsite or Remote Coordination :
Installation : https://www.teamviewer.com/en/

JsFiddle / codepen : Quick testing online IDE
Links : https://jsfiddle.net/ https://codepen.io/