Blue City Technologies

Technology:

I have used Vue(2.x) framework for this task. The reason are as follows:

Vuejs Installations:

https://vuejs.org/v2/guide/installation.html

1. It is a component-based framework using the good parts from both Angular and Reactjs. So, its very easy to organise the code and make Scalable Web Applications

2. Vue has support many libraries, I've used Vuetify and chartsjs library to give application Material look and Angular Material has and Vue-charts for the visualization.I've also used the spinner from the same library.

3.For the HTTP call i've used Axios and for the web socket default HTML websocket for the socket data.

Vue-charts

https://vue-chartjs.org/guide/#introduction

For the data visualization of sample data. Charts js has its compatibility for all the modern frameworks.

Challenges

1:) There was no library for the implementation of the Git commit tree though there was some but was not meeting our requirement for making the git tree look alike. But after doing my research there was one library named https://gitgraphjs.com/#18 GitGraph.js but its still under development and we cannot automate much of this library as most of the methods are not useful. This is purely build in plain Javascript and don't have any compatibility in any of the frameworks not it has any support for the css to make it responsive.

2:) The websocket was not secure and it was giving me CORS error i've to look around for solutions and have to install CORS extension to my chrome to get the data and console it into my browser.If i've enough time i'll have displayed the data into the Charts(Donout / Pie) To make it more visual.