**DATAGROKR WebBlog**

https://datagrokrwebapp.herokuapp.com

**An Insight**

DataGrokr Web Blog is a Web App for bloggers to write interactive blogs and articles.

I created this web app in given timelines to complete a Placement task given by [DataGrokr](https://www.linkedin.com/company/datagrokr).

**Technologies used:**

- Backend: NodeJS (ExpressJs), Web Socket (socket.io)

- Frontend: ReactJS, MaterialUI, JSX, CSS

- Database: MongoDB using Mongoose, MongoDB Atlas

- Cloud: [Heroku](https://heroku.com/)

**VISIT: <https://datagrokrwebapp.herokuapp.com>**

**Installation Requirements:**

- Install git (https://git-scm.com/download/win)

- Install Nodejs (https://nodejs.org/en/download/)

- Install MongoDB (https://docs.mongodb.com/manual/installation/)

- ReactJS (https://reactjs.org/docs/getting-started.html)

**Directory Structure:**

Backend Files: related to NodeJS & Socket.io, find in directory named ‘backend’

Frontend Files: client folder contained all ReactJS files.

Task: folder have task file, resume, Readme.docx.

Root dir: contains some other useful files

**Features (‘/endpoint’):**

- SignUp (‘/signup’)

- Login (‘/login ’)

- User Session

- Write and Upload blog with custom editor (‘/write ’)

- Edit Blog (‘/write?blogId=a76ad8f87f78df&mode=edit ’) and Delete blog

- HomePage (‘/ ’) list of all blogs

- Profile (‘/profile’) blogs list written by user

- Reaction action: Like, Impression, Comment (nested Comment)

- Total times blog viewed count.

- Live Reader (Active viewers) using Socket.io

- Edit/Delete Comment or Reply.

**Installation Guide:**

Clone the project

Get to project directory

Install dependencies:

***cd backend***

***npm install***

***cd client***

***npm install***

**Commands to run the Project:**

You need to start servers of frontend and backend separately (I like this way),

as I didn't use `concurrently` npm package to run server concurrently at a time.

Here, what you need to do:

Open a terminal (or CMD) and Go to client folder:

- run ***npm start***

frontend server will start at ***PORT:3000***

Open another terminal goto project directory/backend folder:

- run ***npm start***

backend server will start at PORT:2020

**Code Editor used:**

I have used Visual Studio Code for the entire development of this project and prefer the same for further development.

Notes:

- Sometimes, Socket.io doesn’t work due to CORS error.

Solution:

1. On Development mode: run ‘npm run build’ in client folder and move ‘build’ folder into backend folder. And run npm start and goto ‘localhost:2020’ Or disable CORS for localhost.

2. In Production mode: disable CORS in your [browser’s setting](https://medium.com/@siddhartha.ng/disable-cross-origin-on-chrome-for-localhost-c644b131db19) and visit:

https://datagrokrwebapp.herokuapp.com