Documentation

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# Resources:

Following are the resources I have used to complete this project

GraphQL is a query language for APIs and a runtime for fulfilling those queries with your existing data. GraphQL makes it simpler to evolve APIs over time, offers clients the power to request only the information they need and nothing more, and enables robust developer tools. It also provides a thorough and comprehensible description of the data in your API.

<https://graphql.org/>

Apollo Client is a comprehensive state management library for JavaScript that enables you to manage both local and remote data with GraphQL. Use it to fetch, cache, and modify application data, all while automatically updating your UI.

https://www.apollographql.com/docs/react/

<https://www.apollographql.com/docs/react/api/react/hooks/>

Bootstrap is powerful toolkit for responsive web designing. React bootstrap has replaced Bootstrap and has made particularly for reactJS. I have used grids to align cards, forms from react bootstrap to make website look better.

<https://react-bootstrap.github.io/>

I have used sweet alert to give alert message on successful job post operation.

<https://sweetalert.js.org/guides/>

# Struggles:

GraphQL:

I was using grapql for the first time. So, It took little bit of time to understand and implement graphQL queries. I used documentation to see sample queries and tried that on playground that has helped me a lot.

Apollo Hooks:

Consuming graphQL through apollo hooks was challenging task for me as like graphQL I being introduced to apollo hooks for the first time. So, it took time to understand how it works. I went through documentation to see sample code and then moved forward to write my own code.

Errors and Solutions:

1. Everything was working fine, getting data from graphQL and then using that to generate job cards. But when I tried to post job, I was getting error message “400 bad request graphql react js”. On searching I found out that it occurs when something is incorrect in query. I went to playground pasted that query I found out that I was not including LocationNames in my query which is compulsory for JobPost. I only added LocationNames in my query and error was removed.
2. As it was given to store data in global state using context api and add newly posted job in that global state too, I faced an error that was because I was wrapping apollo provider inside context provider which was contrary to right solution. I solved this error by wrapping context provider inside apollo provider and hence code was working fine.