Project Details

Backend:

Backend for job portal application is written in java using spring boot, the application has REST APIs which is used by frontend for providing jobs data.

Due to time constraints currently we are using static data, the application is not connected to any database and APIs returns data from static object defined in code.

Also currently there is not authentication mechanism in place for APIs.

APIs

1. List jobs - This API returns all jobs matching filters if provided

Path - /job

Method - GET

Request parameters

i. locationId - For filtering jobs for particular location

ii. teamId - For filtering jobs for particular team

iii. JobType - For filtering jobs for particular JobType

Sample Response -

[

{

"id": 1,

"title": "Job-1",

"description": "Description-1",

"team": {

"id": 1,

"name": "team-1"

},

"location": {

"id": 1,

"name": "Delhi"

},

"jobType": "ONSITE"

},

{

"id": 2,

"title": "Job-2",

"description": "Description-2",

"team": {

"id": 2,

"name": "team-2"

},

"location": {

"id": 2,

"name": "Indore"

},

"jobType": "HYBRID"

}

]

2. Get job by id - This API returns job details for specific job

Path - /job/{id}

Method - GET

Sample Response -

{

"id": 1,

"title": "Job-1",

"description": "Description-1",

"team": {

"id": 1,

"name": "team-1"

},

"location": {

"id": 1,

"name": "Delhi"

},

"jobType": "ONSITE"

}

3. Submit Job Application

Note - Due to time constraints, I am not able to write the code for submitting job application, but mentioning the details about API, how it will look

Path - /job/application

Method - POST

RequestBody -

{

jobId: Int

applicant: String

email: String,

phone: String,

...

}

Frontend -

Frontend is developed in React, and is hosted on Node Server. It also uses Bootstrap for UI components.

There are main three pages

1. HomePage - which shows job listings by calling the rest api for jobs list
2. JobDescription page - this shows details about specific job by calling API for specific job detail
3. Apply job - this shows form for applying a job application

How to run the application

Prerequisites –

Please make sure you have Java and NodeJS installed on your machine

Steps to run the application –

1. First you need to start the backend server(Tomcat server) this runs on port 8080, this contains APIs which frontend will use to render jobs data.

To start this execute the following command, which start the jar file:

{folder-path}/ project/project/job-portal/target/ java -jar job-portal-0.0.1-SNAPSHOT.jar

{folder-path} - This is path in your machine where you will download the project folder

NOTE: Make sure your system’s port number 8080 is not in use.

2. Now you need to start the frontend application, this runs on nodejs server on port 3000

1. First open the editor (like Visual Studio Code, etc.).
2. Now open the Terminal
3. Go to folder where frontend code is present, using command

cd {folder-path}/project/project/job-portal-react-app

1. Install dependencies, (not sent along with code, because dependencies size is large). Run the command on to the terminal:

npm install

1. Now start nodejs server

npm start

1. You can now open http://localhost:3000 in browser to start job portal application

Screenshots:











