**Project Documentation for Jobs-in-Estonia**

Project Idea and Targeted Audience

**Project Idea**

The project is a job search website that aggregates job listings from LinkedIn specifically for Estonia. It allows users to search for jobs based on keywords and other filters, view job details, and navigate through different job postings.

**Targeted Audience**

The targeted audience includes job seekers and working students in Estonia, particularly those who are looking for remote, contract, full-time, part-time, or internship opportunities. It also caters to professionals at various experience levels, from entry-level to executive roles.

**Application Routing Map**

The application uses react-router-dom for client-side routing. Below is the routing map:

| **Home Page (/)**  Contains a search bar for job searches  **About Page (/about)**  Information about the website and its purpose.  **Job Search Results Page (/search-results)**  Displays a list of jobs based on search criteria.  **Job Detail Page (/job/:id)**  Displays detailed information about a specific job.  **Not Found Page (\*)**  Displays a 404 error message for undefined routes. |
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**External Libraries Used**

1. React: JavaScript library for building user interfaces.
2. react-router-dom: For handling client-side routing.
3. Google Fonts: For custom web fonts.
4. Font Awesome: For scalable vector icons
5. Netlify: For hosting the application.

**Public APIs Used**

→ LinkedIn Data API

1. **Search Jobs API**Endpoint: <https://linkedin-data-api.p.rapidapi.com/search-jobs>  
     
   Parameters:  
     
   **keywords**: Job search keywords.  
   **locationId**: Always set to 102974008 for Estonia.  
   **companyIds:** Company IDs for filtering jobs.  
   **datePosted:** Time frame for job postings (anyTime, pastMonth, pastWeek, past24Hours)  
   **jobType:** Type of job (fullTime, partTime, contract, internship).  
   **experienceLevel**: Experience level required (internship, associate, director, entryLevel, midSeniorLevel, executive).  
   **onsiteRemote:** Job location type (onSite, remote, hybrid).  
   **sort:** Sorting order (e.g., mostRelevant, mostRecent).  
     
   Response Example and Description:

| **Field** | **Description** |
| --- | --- |
| success | Indicates whether the API call was successful (true/false). |
| message | A message string, usually empty if the call was successful. |
| data | An array of job objects. |
| data[].id | Unique identifier for the job. |
| data[].title | Job title. |
| data[].url | URL to the job posting on LinkedIn. |
| data[].referenceId | Reference ID for the job posting. |
| data[].posterId | ID of the person who posted the job. |
| data[].company | Company information. |
| data[].company.name | Name of the company. |
| data[].company.logo | URL to the company's logo. |
| data[].company.url | URL to the company's LinkedIn page. |
| data[].location | Location of the job. |
| data[].type | Type of job (e.g., Contract, Full-time). |
| data[].postDate | Relative date when the job was posted (e.g., "1 month ago"). |
| data[].postAt | Exact date and time when the job was posted. |
| data[].postedTimestamp | Timestamp of when the job was posted. |
| total | Total number of jobs found. |

1. **Job Details API**Endpoint: <https://linkedin-data-api.p.rapidapi.com/get-job-details>  
     
   Parameters:  
     
   **id:** Unique identifier for the job.

Response Example and Description:

| **Field** | **Description** |
| --- | --- |
| success | Indicates whether the API call was successful (true/false). |
| message | A message string, usually empty if the call was successful. |
| data | An object containing job details. |
| data.id | Unique identifier for the job. |
| data.state | State of the job posting (e.g., OPEN, CLOSED). |
| data.title | Job title. |
| data.description | Detailed job description. |
| data.url | URL to the job posting on LinkedIn. |
| data.applyMethod | Methods to apply for the job. |
| data.applyMethod.companyApplyUrl | URL for applying via the company. |
| data.applyMethod.easyApplyUrl | URL for easy application (if available). |
| data.company | Company information. |
| data.company.id | Unique identifier for the company. |
| data.company.name | Name of the company. |
| data.company.universalName | Universal name of the company. |
| data.company.description | Description of the company. |
| data.company.logo | URL to the company's logo. |
| data.company.url | URL to the company's LinkedIn page. |
| data.company.followerCount | Number of followers the company has on LinkedIn. |
| data.company.staffCount | Number of staff in the company. |
| data.company.staffCountRange | Staff count range for the company. |
| data.company.specialities | List of company specialities. |
| data.industries | List of industries the company operates in. |
| data.headquarter | Company's headquarter location. |
| data.type | Type of job (e.g., Full-time). |
| data.views | Number of views the job posting has received. |
| data.closed | Indicates if the job posting is closed (true/false). |
| data.workRemoteAllowed | Indicates if remote work is allowed (true/false). |
| data.workPlace | Work location type (e.g., Remote). |
| data.expireAt | Expiration timestamp for the job posting. |
| data.formattedJobFunctions | List of formatted job functions. |
| data.jobFunctions | List of job function codes. |
| data.listedAt | Timestamp of when the job was listed. |
| data.listedAtDate | Date and time when the job was listed. |
| data.originalListedAt | Original listing timestamp. |
| data.originalListedDate | Original listing date. |

**Hosted Application**

My application is hosted at: <https://jobs-in-ee.netlify.app>

GitHub Repo: <https://github.com/TAZ-Creative/InteractiveSystems/tree/main/Joblistappv2>