**Full Stack Job portal with Strapi and Next.js using REST API and Postgres**

**Abstract/Introduction**

Next.js empowers developers to craft top-tier web applications by leveraging the capabilities of React components. Its key features include file-based routing, server and client-side rendering, and built-in optimization. Similarly, Strapi is an open-source headless content management system (CMS) that enables developers to build powerful and customizable APIs quickly and easily. Unlike traditional CMS platforms, Strapi focuses on providing a flexible and extensible backend infrastructure without dictating the frontend technology. For our Full Stack Jobs Portal project, we'll employ Next.js, Strapi, and Postgres while adhering to industry best practices to guarantee a resilient and effective application.

**Requirements**

**Key Requirements for this web application:**

* Registered User/Company can add jobs with (registered user who want to post the jobs must have a firm or company)

1. Company name/Firm Name
2. Address
3. Expected Salary
4. Job Type (Permanent, Contractual, Full Time, Part Time)
5. Experience Required (1 year,2 year and so on etc.)
6. User cannot apply jobs on expired jobs (when last date of applying is passed)

* Users can search the job on the basis of job keyword and location
* Users can filter (using checkboxes) jobs on the basis of job type, education, experience, Salary Range
* Registered users can upload their CVs.
* Registered users can update their profile and should see the list of applied jobs
* Registered User/Company can see their posted jobs and update the posted jobs and see the list of the candidates who applied to their posted jobs
* Content Editors/Managers can Approve/Publish the jobs posted by registered users/company.
* Super Admin must have all the rights to see the overall stats/update/delete etc.
* Complete Authentication with Simple JWT
* Protecting Routes from Unauthenticated Users
* Uploading files to Cloudinary (CVs)
* Custom Exception Handling
* Server-Side/Client-Side Rendering with Next.js
* Generate Topic Stats with any keyword regarding jobs for example if user search jobs of a FULLSTACK DEVELOPER the system show the user about the total jobs available, average salary, maximum salary, minimum salary etc.
* Deploy app on Railway & Vercel

**Administrative Roles**

**1. Super Admin / Administrator:**

- Responsibilities: Overall site management, user management, access to all features, content moderation, and configuration settings.

- Access: Full access to all admin functionalities.

**2. Content Editor / Manager:**

- Responsibilities: Content creation, editing, and publishing. Managing jobs, images, videos, and other media. Ensuring content is accurate and up to date.

- Access: Access to content management features.

**3- Frontend Users**

Frontend registered users/companies can enter their jobs on job portal as well as the users can apply and can upload their CVs.

**Tools Used**

1. **Next.js (version 14 and higher)**
2. **Strapi (version 4 and higher)**
3. **Rest API Framework**
4. **Postgres**
5. **Visual Studio Code**

**NOTE: Next.js version 14 or higher and Strapi 4 or higher are obligatory for this project. This project will exclusively utilize Strapi 4 or higher, Next.js 14, and REST API, and I will not consider requests for changing these tools**.

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