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Vignesh Pugazhendhi edited this page 3 days ago · 1 revision

Carrer Services application

Career Services Applications will assist you with identifying employment opportunities from the Job Market as per the candidate's requirement. Moreover, it can assist individuals in reaching their employment goals, as well as supporting employers with their recruitment, retention, and skills development.

Project Description

The fierce competition in the contemporary workplace makes it difficult for people to find a job. In order to help capable job seekers to be seen, and let more employers find their favorite employees, this Career Services Application is going to be developed. The goal of this project is to create a website for job seekers and employers. It can provide students with a platform for career services where they can upload and maintain their portfolios and companies can post job openings. This will be quite beneficial for students and companies to reduce the gap between them and help them build a bridge of mutual understanding.

On this recruitment platform, students can modify their resumes according to the market needs by learning the latest technology and skills. Employers can continuously post job openings that are needed in their company. In order to access the website, all students and employers have to first create and then log in using their email address and password. Further, students can apply to suitable jobs by uploading their resumes whereas companies can find out the potential job seekers according to their profile. What's more, employers will receive a notification when any student applies to their job opening and students will be notified when they get selected by an interview respectively. Besides, the platform will also apply multi-factor authentication to provide security from any potential fraud. Ultimately, the purpose of this project is to simplify job selection in the talent market, so that job seekers can find good opportunities for future development and employers can also recruit for technical talents suitable for their companies.

To this end, the Agile development method will be applied to this project. By adopting four phases of sprints, incremental development is carried out to reach the final operational application system. In this process, according to the basic principles of Agile, personnel will be allocated reasonably, and fixed communication will also be arranged to promote understanding of each other's work process and achieve better cooperation efficiency.

Team members and Contributions

> The duties have been assigned according to the experience of the team members and their suitability. Also, as a team we tried to help each other whenever someone get stuck and found a solution.
>
> - Rahul Singh (theOGCodeWitcher): Front End, Project Set-up,

- Nithin Reddy (nithincode-s): Front End, Documentation, Organizing Meetings,
- Jatin Arora (jatin51997): Back End, Handling Software Process,
- Yang Liu (Liuliu-09-17): Back End, Documentation,
- Vaishali (vaishu49): Front End, Documentation,
- Vignesh (VigneshP1505): Documentation, Taking Minutes, Back End

Project Approach and Technology Stack

Agile Methodology

Agile Methodology is based on development within a short span of time as we have only four sprints to complete this project. Software is developed in increments so changes can be done quickly and it focuses on interaction over tools, maintaining simplicity with minimum documentation.

Version Control Software

We have given Github a version control tool to work on our project as it is easy to integrate all the codes and to observe every minute change in a team. It makes it easy for front-end and back-end developers to commit changes.

Front End React JS

Our team has opted to use React as our front-end technology since it is simple to understand and apply. Moreover, it provides great community access and documentation which can help any newbie to create web applications.

Backend

We chose the younger Node.js Express framework. It can respond to front-end requests with middleware, and perform different request actions through routing tables. Based on the V8 JavaScript runtime environment, it develops faster because its model is lighter and its syntax is simpler.

Database

As data storage, we decided to use MongoDB as our database. Compared with other databases, its document structure storage method ensures easier access to data. With the built-in distributed file system GridFS, MongoDB can satisfy fast-range queries on large data sets. In addition, the sharding design capability of MongoDB can support a maximum of about 20 petabytes, which is enough to support general applications.

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▸ **Minutes - sprint 2**

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