

SOFTWARE SYSTEMS DEVELOPMENT

RESUME SELECTOR

TEAM NAME: SANGZ

TEAM NUMBER : 15

INSTRUCTOR NAME

CHARU SHARMA

MENTOR NAME

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PREPARED DATE

Nov 25, 2021

SUBMISSION DATE

Nov 28, 2021

VIDEO LINK:

youtu.be/ojrMb0cSHMM

	NAME	ROLL NUMBER
1	ZIYAD NASEEM	2021201021
2	NITIN KUMAR	2021202020
3	ABHISHEK BISHT	2021202014
4	GOUTHAM PARAMESWARAN C M	2021201047
5	SARTHAK VERMA	2021201002

PROJECT GITHUB LINK:

<https://github.com/gouthamcm/Resume-Selector>



PROJECT INFORMATION

The project is a useful tool for recruiters who are looking for potential candidates. A recruiter can search candidates' resumes by providing specific keywords, including the skills they are looking for. The resumes will be fetched from the database and displayed in a rank wise order. Both recruiters and candidates are allowed to upload the resumes in pdf format but only recruiters can search through them after the authentication.



TECHNOLOGY STACK

❖ Front End:

- > ReactJS
- > Material-UI

❖ Back End:

- > **Language:** Python, SQL
- > **Frameworks:** Django, Django Rest framework
- > **DBMS:** Postgresql

❖ Version Control: git



REQUIREMENTS AND INDIVIDUAL CONTRIBUTIONS

	REQUIREMENT NAME	DESCRIPTION	CATEGORY	OWNER
1	FRONTEND DEVELOPMENT	Developing a fully functional web application that serves our objective	FRONTEND	GOUTHAM, ZIYAD
2	DATABASE HANDLING	Writing scripts that can list out the user id of the resume holder in a rank-wise order.	BACKEND	SARTHAK, NITIN
3	INFORMATION EXTRACTION	Extracting information from PDF(resume to text/JSon) so that information can be retrieved from the database later on.	BACKEND	SARTHAK, NITIN
4	REST-APT	Rest API endpoints for use by the frontend.	BACKEND	ABHISHEK
5	INTEGRATION	Integration of the working module together so that everything assembles in a single component.	MIDDLEWARE	NITIN, ZIYAD, ABHISHEK, SARTHAK, GOUTHAM
6	UNIT TESTING OF OWNER'S MODULE	Everyone will do the unit testing for their own module during & at the end of development of the module.	MIDDLEWARE	NITIN, ZIYAD, ABHISHEK, SARTHAK, GOUTHAM

WORKFLOW

Within the scope of this project, two different types of users are defined. From the home page, a user is able to identify them as one of these and execute the following task's:

→ Applicant

1. **Open link:** At the home page, an applicant should click on the 'apply' button to be identified as an applicant.
2. **Enter details:** The resulting page from the last step will present a form where they can enter their name and email.
3. **Upload pdf:** The upload button in the same page will allow the user to select a resume from their local system that has to be strictly pdf.

At this point, the applicant's tasks are finished.

→ Recruiter

1. **Open link:** At the home page, a recruiter should click on the 'sign in' button to be identified as a recruiter.
2. **Register/Sign in:** The resulting page will present a form where a recruiter can either sign in or register if it's a new user.
3. **Search:** The next page will allow the recruiter to search for the resumes. There's a search bar on the left side where recruiters can enter the skills they are looking for in a candidate. The resulting resumes will be displayed and the recruiter has an option to download the resume or contact the applicant through email.
4. **Upload pdf (optional):** There's a drop down menu on the top right of the page. On clicking the 'upload resume', the recruiter can upload the resume of an applicant.