IIIT Hyderabad

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY

HYDERABAD

SOFTWARE SYSTEMS DEVELOPMENT

CS6.302 [M21]

Resume Selector

Authors:
Mahesh Balaji Dudhanale
Maturi Sai Shushma
Malla Hemalata
Kilaru Yasaswi Sri Chandra Gandhi
Kaustuv Dash

Project Instructor:
Dr. Charu Sharma

November 28, 2021

Contents

0   General Details

Team Number: 13

Team Name: mkmkm

Team Members:

- Mahesh Balaji Dudhanale [2021201010]

- Maturi Sai Shushma [2021201012]

- Malla Hemalata [2021201066]

- Kilaru Yasaswi Sri Chandra Gandhi [2021201080]

- Kaustuv Dash [2021202019]

Abstract

The aim of this project is to develop an interface for addition and parsing of resumes. One of the main beneficiaries of the project will be the students who will be given an interface to upload their resumes. The other main beneficiary will be the recruiters who will use the web application to search and filter the resumes based on the keyword of their choice. The rest of the report will handle technical aspects of the project with focus on the workflow, and the design of the interface.

1   Project Information

This project is part of the CS6.302 [M21] course at IIIT Hyderabad. The objective is to create a web application that will be used by recruiters and students to filter resumes and upload resumes respectively. Along the the traditional usage for companies, the web application can be used by research labs and students within an institute for filling positions.

Similarly, the general usage pertains to the students who are looking to enter their names into a job pool from which the recruiters can select the best fit for them. We have identified three major stakeholders for this project. Developers of the codebase / software, recruiters / employers, and applicants / prospective candidates. The developers of the software refer to the team building the software. The recruiters are the end users that use the software to find relevant candidates via their resumes. The applicants are users who upload their details and resumes to the database.

2 Requirements

The requirements required of and by the various stakeholders are as follows:

2.1 Developers

- Build the software

- Write the code

- Test the code

- Write documentation

2.2 Recruiters

- Search the database

- Filter the resumes by entering keywords

- Download the resumes

2.3 Applicants

- Upload their details

- Upload their resumes

3 Software Used

3.1 Frontend

The frontend of the project is developed using the following technologies:

- HTML

- CSS

- Bootstrap

3.2 Backend

The backend of the project is developed using the following technologies:

- Django

- JavaScript

3.3 Database

The database of the project is developed using the following technologies:

- SQLite

4 Workflow

4.1 Applicant signup

- For creation of the account, applicants need to sign up first, here, the applicant has to give details for Username, Email, Password, check in applicant, provide gender and accept terms and conditions.

- After a check is applied on the applicant, skills text will be visible where the applicant can add the skills.

- After the submit button is clicked, in the backend all the details of the user will be stored in the table named `account_user` and the applicant will see the login page again.

4.2 Applicant login

- Now the applicant can login with the valid username and password.

- After the login is successful the applicant will see the details as well as the upload resume and edit profile button.(basically profile page)

- After clicking the upload resume button, the applicant can add the resume and after the success of the resume upload it will see the profile page again where the resume can be downloaded.

- And clicking edit profile button applicant can change the email id and respective email id will be visible in the profile page.

4.3 Recruiter signup

- Recruiter also needs to sign up for performing the queries. To sign up, the recruiter should provide username, valid email address, password and check in the recruiter box, gender and should accept the terms and conditions.

- After the submit button is clicked, in the backend all the details of the user will be stored in the table named `account_user`.

- After successful verification it will redirect to the login page

4.4 Recruiter login

- Now the applicant can login with the valid username and password.

- A backend check whether the details provided are matched with details stored in the table `account_user` will be performed.

- After the login is successful the recruiter will be redirected to the recruiter page.

4.5 Recruiter page

- The recruiter page will display the details of the recruiter.

- It will provide two buttons. One for editing details of the recruiter and one for querying the skills.

- Clicking edit profile button applicant can change the email id and respective email id will be visible in the profile page.

- Clicking the query button it will redirect to a new page which contains a test box and submit button.

- In the test box, the recruiter can add the skills with a comma separated and then submit.

- It will display the applicants having the skills asked.

- It will show the name, email address and also a link to download the resume.

4.6 Signup cases handled

- Proper error checking has been done for invalid email id.

- If Enter password and confirm password are not the same then it will also give an error.

- Passwords should be strong(should contain at least one capital,one digit and one special character).

- Cannot checkbox both applicant and recruiter. It will display an error message.

- If you miss any field it will ask to fill all details.

- If you dont tick the terms and conditions it will show an error message.

- If a user already exists in the database it will ask to give a unique user id.

4.7 Login cases handled

- In case the user enters a username that doesn't exist in the database, or if the user enters an incorrect password, the login page will throw an error : `*Invalid credential entered`

6 Acknowledgements

This report was typeset using LaTeX, originally developed by Leslie Lamport and based on Donald Knuth's TeX. The body text is set in 11 point Egenolff-Berner Garamond, a revival of Claude Garamont's humanist typeface.

5. Individual Contributions:

- Kilaru Yasaswi Sri Chandra Gandhi [2021201080] - Designing the project and writing the report.
- Mahesh Balaji Dudhanale [2021201010] and Malla Hemalata [2021201066]- Handled the backend part.
- Maturi Sai Shushma [2021201012] and Kaustuv Dash [2021202019]- handled the database and front end part.

Updated GitHub link: https://github.com/KaustuvDash/ResumeSelector

Video Link: https://www.youtube.com/watch?v=US5UgVTqIzo