User documentation/manual

User documentation:

How to set up the environment?

We choose python3 as our main back-end language.

To run our code, the extra library need to be installed or upgraded on the CSE lab are:

1. **Geopy**
   pip3 install geopy
2. **Spacy**
   pip3 install spacy
3. **spacy model 'en_core_web_md'**
   python3 -m spacy download en_core_web_md
   This may take a while to download
4. **Pymysql driver**
   The CSE lab may or may not install 'pymysql', which is the driver to connect mysql. You may need install the driver by the following command:
   pip3 install pymysql
5. **Sqlalchemy upgrade**
   In addition, you need to update the version of sqlalchemy by the following command:
   pip3 install --upgrade sqlalchemy --ignore-installed
6. **cryptography**
   pip install cryptography

How to run the server?

Change the path to where app.py is, run the following code:
   python3 app.py
It may take a while to run, because it needs to connect to the AWS database server and import the spacy model.
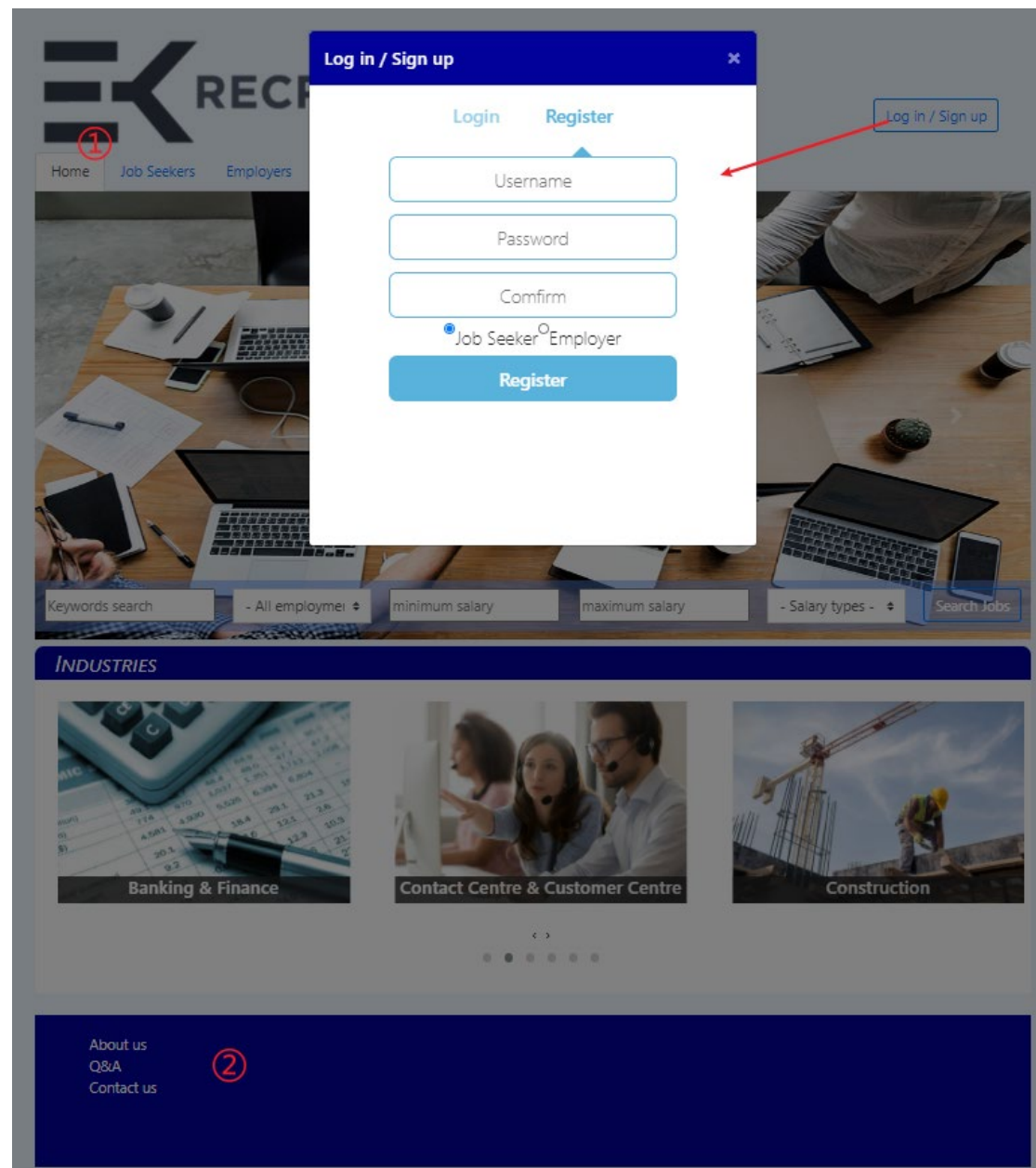The server may show a warning:3719, you could ignore that.

How to open the website?

Open the chrome browser, input the following URL:
localhost:8000

User manual

Anonymous users:

①Landing page, Register and Sign in

Our website provides enough function to anonymous visitors. The visitors are allowed to visit all the posted job positions and job requests, and searching for what they are interested at. All other functions related to dealing with resume are available only after you register as a formal user: job seeker or employer.

②Information about our website

If the user want to know the background about our website, you could click 'About us'.

If the user meet some issues whe using the website, the could look at the 'Q&A' first, if the question is not being answer, they could click 'Contact us' to send email or call

us.

① Job positions searching

We provide the conventional search for job seekers. The user can filter the suitable job positions by key word search, employment types, minimum salary, maximum salary and salary types. We also provide the advanced search functions for previous search. the user can use the intelligent search for job seekers, which will return extra results which is similar with the normal result(e.g. the keyword is 'finance', the intelligent search function will retutn 'Investment engineer'), but it will take a few seconds to run. The user can sort the search results by salary, closing date or hot job as well as choose experience duration for further filtering, and they can change the direction of sorting.

The searching result shows five position each page.

② & ③ Popular positions&Positions in need of hiring.

These two tabs rank all the job position in a special method.

The ② sort the positions by how may resumes have been submitted to these positions.

The ③ sort the positions by the combination of create time, recurting number, number of submitted resumes. Generally, if a position wants to recruit 100 people, and there is no resume submitting to this position, and the position is created just now, it will be more likely to be the rank 1.

Branch Senior Cashier
The Greatest Company

Yerevan, Armenia
The incumbent will be responsible for the vault operations.

Full-time job

More Details ①

Deadline: 17-06-2021

RECRUITMENT

Log in / Sign up

.Net C#/ C++ Software Developer
Salary: 40000.00 per year   Employment type: Full-time job   Deadline: 25-11-2022
Recruiting numbers:12   Submitted numbers:0

Address:
Yerevan, Armenia

Brief introduction of the company
None

Job Description
AltaCode Ltd. is looking for highly qualified and motivated software developers with deep knowledge and practical experience in object oriented programming and web development.

Job Responsibilities

- - Participate in all cycles of software design and development;
- - Assure full conformance of source codes to provided Coding Standards;
- - Read, understand and modify the existing code;
- - Assist in the development of accompanying Technical Documentation;
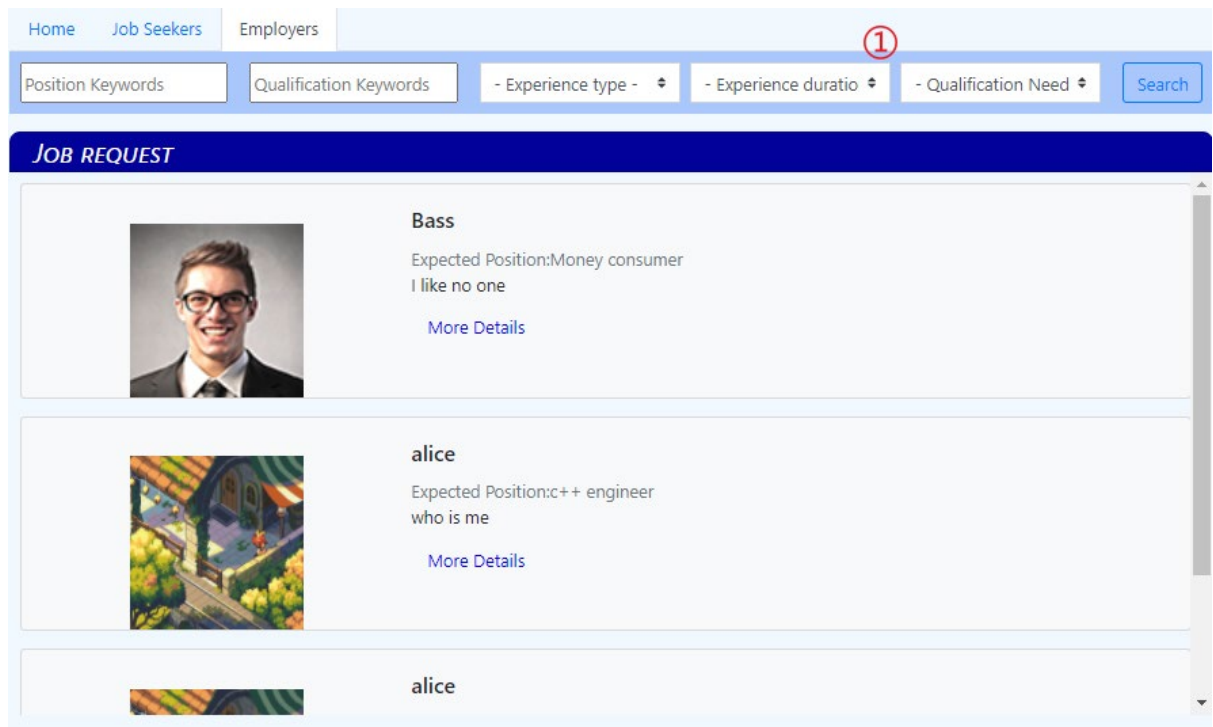- - Provide technical support and assistance, if requested.
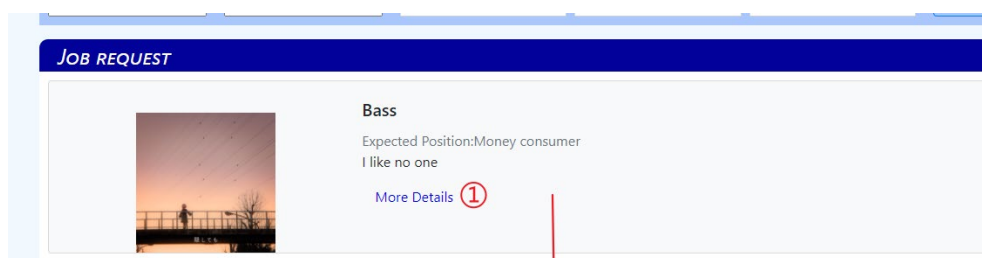
Required Qualifications

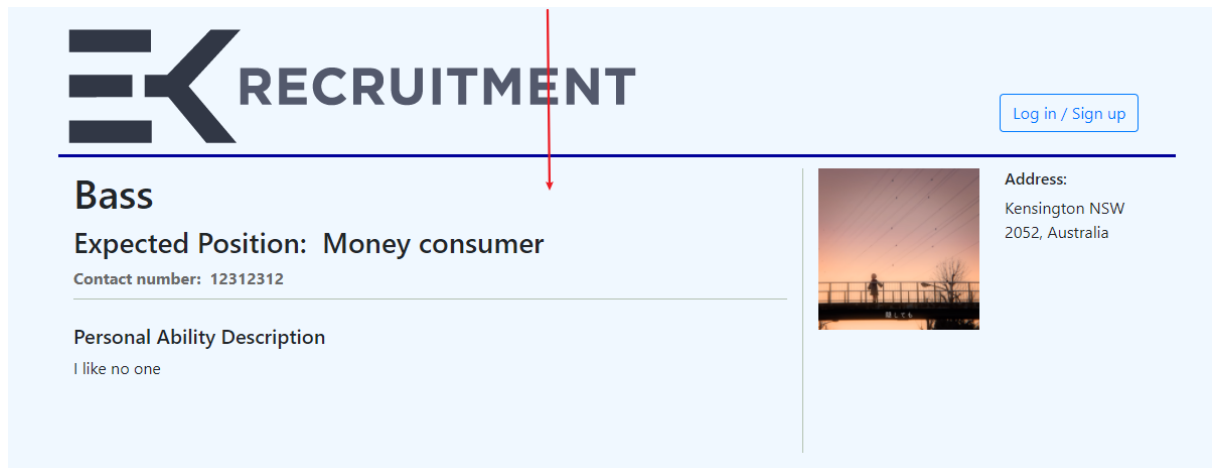- - Master's degree in Computer Sciences;

The user can click the 'more details' button(①) to see the detail of a position.

①Job requests searching

We provide job request search to employers. They can search the job request by the given parameter. The position keywords and qualification keywords can limit the words shown in the position name and qualification description of the job request. The function of the rest three filters are as their names.

The job request detail

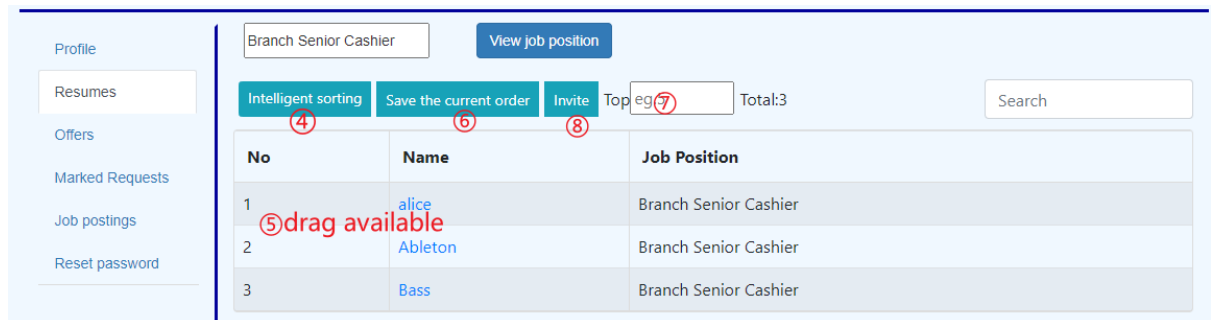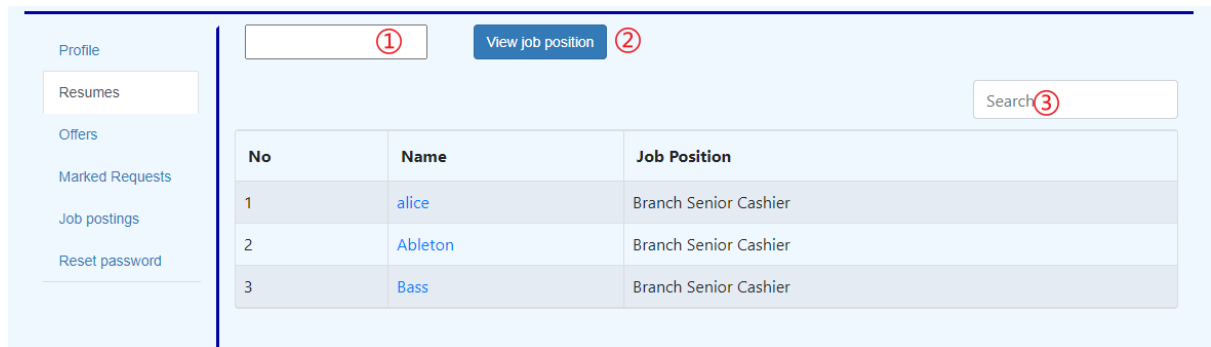The user can click the 'more details' button(①) to see the detail of a request.
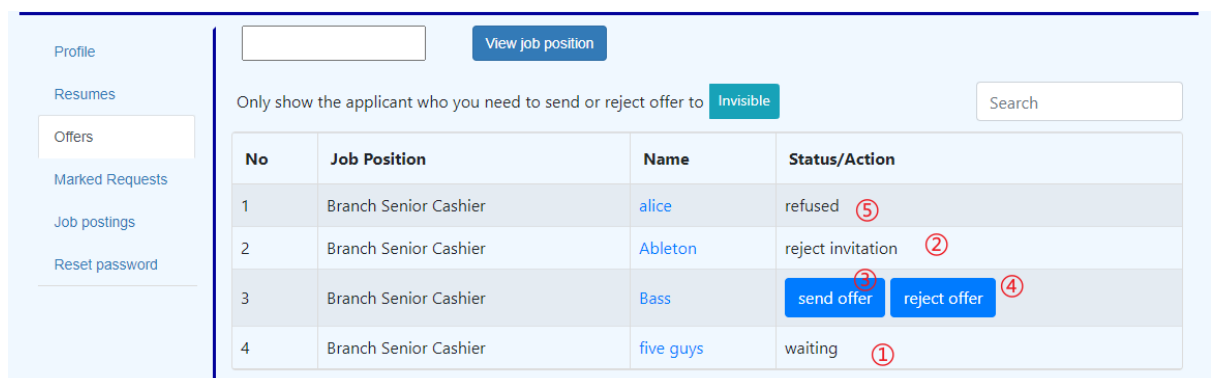
5.2.2 Employer account:

Profile

As an employer, you can actually update the name of your company and the description for your company. The address can be intelligently filled out by the 'verify' button according to the keyword. Our website provides a default avatar for users, you can also change it to your favorite image.

No	Name	Job Position
1	alice	Branch Senior Cashier
2	Ableton	Branch Senior Cashier
3	Bass	Branch Senior Cashier

Profile
Resumes
Offers
Marked Requests
Job postings
Reset password

① View job position ② Search③

Branch Senior Cashier | View job position

Intelligent sorting④ | Save the current order⑥ | Invite⑧ Top eg⑦ Total:3 | Search

No	Name	Job Position
1	alice	Branch Senior Cashier
⑤drag available		
2	Ableton	Branch Senior Cashier
3	Bass	Branch Senior Cashier

①&②&③&⑤&⑥&⑦&⑧ Resumes

The employer can see all resumes posted by job seeker. The "view job position" button can provide keyword(①&②) search for specific location, you can also use ③ to filter the shown resumes. After this, our system is able to score each resume. Thus, the employer can intelligently sort all posted resumes(④), and choose the best of first

N candidates(⑦). You can drag the row in the table by mouse to change the order(⑤). If you tend to save current order for the next review, our system also provides that function(⑥). For the suitable job seekers, you can invite them for further

interviewing(⑧).

View job position

Only show the applicant who you need to send or reject offer to Invisible Search

No	Job Position	Name	Status/Action
1	Branch Senior Cashier	alice	refused ⑤
2	Branch Senior Cashier	Ableton	reject invitation ②
3	Branch Senior Cashier	Bass	send offer③ reject offer④
4	Branch Senior Cashier	five guys	waiting ①

Profile
Resumes
Offers
Marked Requests
Job postings
Reset password

Offer   ✕

⑥

Dear Bass,

The Greatest Company company is pleased to offer you the position of [_____].
Your skills and experience will be an ideal fit for our [_____] department.

As we discussed, your starting date will be [年 /月/日   📅]. The starting salary is
[_____] [- Type - ▾] and is paid on a weekly basis. Direct deposit is available.

Full family medical coverage will be provided through our company's employee benefit plan and will
be effective on [年 /月/日   📅]. Dental and optical insurance are also available. The Greatest
Company offers a flexible paid time-off plan which includes vacation, personal, and sick leave. Time
off accrues at the rate of one day per month for your first year, then increases based on your tenure
with the company. Eligibility for the company retirement plan begins 90 days after your start date.

If you choose to accept this job offer, please login your recruitment account and click the "Accept"
button.

When your acknowledgment is received, we will send you employee benefit enrollment forms and an
employee handbook which details our benefit plans and retirement plan. We look forward to
welcoming you to the The Greatest Company team.

Please let me know if you have any questions or I can provide any additional information.

Sincerely,
[_____]
Director, Human Resources

⑦

[Close] [Customize offer] [Send offer]

Offer   ✕

Dear Bass,

⑧

Sincerely,

Director, Human Resources

⑨

Close   Templete   Send offer

No

1

2

3

4

Showing 1 t

Offers

The main function is to send or reject offer for job seekers. The possible status/actions are waiting(①), reject invitation(②), send offer(③), reject offer(④), refused(⑤). The status of "waiting" (①) indicates that the employer is still waiting for job seekers to agree the invitation of interview. The status of "reject invitation" (②) means that the job seeker refuses the invitation. The status of "refused" (⑤) means that the employer refuses the application from a job. The available action of ③, ④ means that job seeker tends to accept interview and wait for the employer to decide the final outcome. If a job seeker passes the interview and the employer want to send offer(③) to them, we provide a template(⑥), or they could click ⑦ to write the customized text(⑧), after that, ⑨ could send the offer. There are two additional functions for

increasing efficiency of operations. One is keyword search. Another one is that the employer can hide some of resumes that they do not want.

Favorite request

The employer can favorite a job request(①) which will be stored in the 'Marked Requests' tab(②).

Job posting

The employer can create a new job, edit or delete posted job.
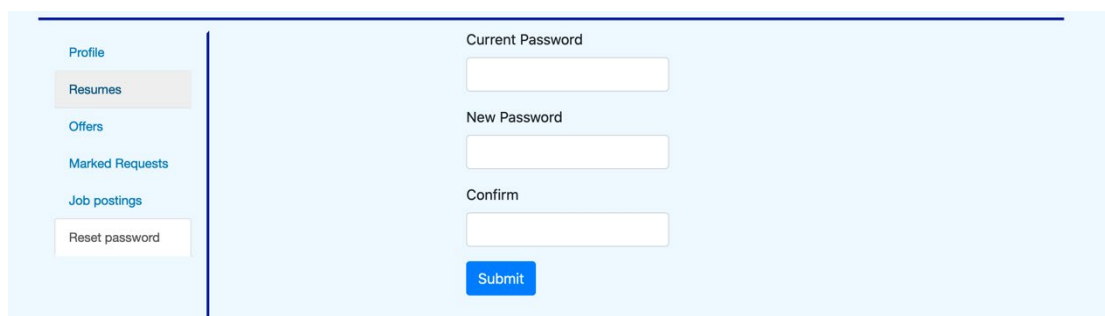
Create new Job post

As an employer, when you want to post a job position on our website, you have to complete several details about the position. You must fill out the position name and write the job description at most 500 characters. There are three employment types (Full time job, Part time job or Internship) for your choice. You also have to fill out the salary and salary type (hour, day, week, month or year). Our website hopes you to tell the job seeker the real location for your company, and provide an intelligent way for you to type or verify your location. The specific responsibilities for the job seeker are needed, which must be less than 500 characters. You can choose whether applicants should have work experience or specific qualification. Finally, we need you to choose the closing date for your location.

Reset password

If the employer want to change current password, we provide a fast method by typing current password, new password and confirmation in reset password page.

Job seeker account:

Profile

As a job seeker, you can update your real name, birthday, the level of education and description for yourself. We also offer an intelligent method for filling out your personal address by google map API. Our website provides an default avatar for users, you can also change it to your favorite image.

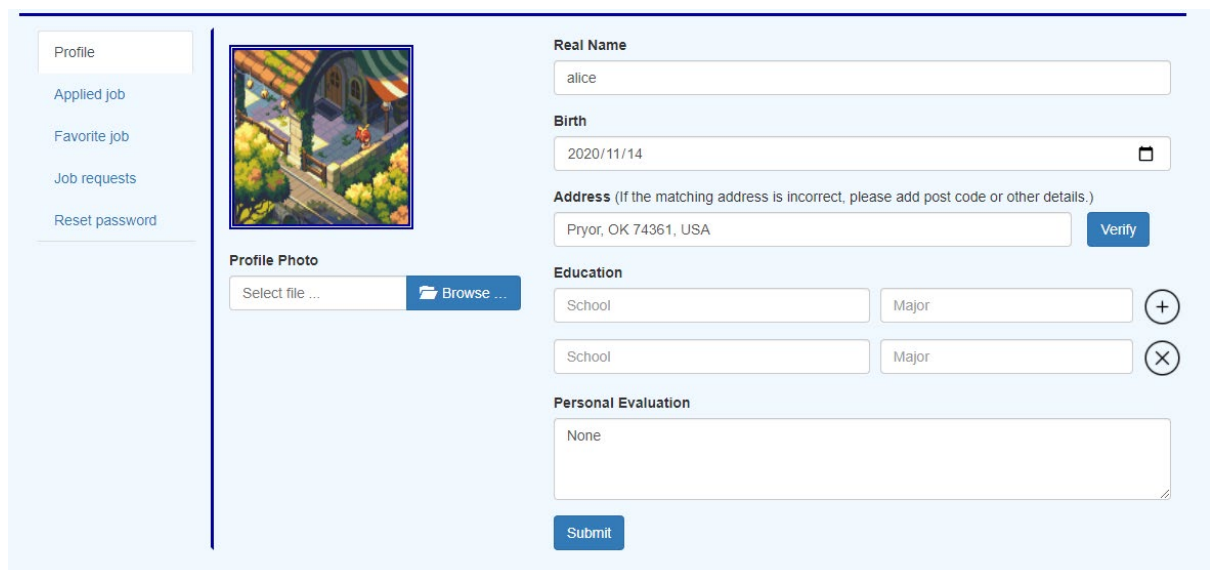|	No	Job Position	Company Name	Resume	Status/Action
Profile					
Applied job	1	NSS Engineer	The Greatest Company		View offer ⑥
Favorite job	2	Legal Consultant/ Lawyer	The Greatest Company		Offer refused ⑤
Job requests	3	Medical Representative in Nagorno Karabakh	The Greatest Company		Accept invitation
Reset password	4	Product Specialists - Medical Devices and Diagnostics (MD&D)	The Greatest Company		Accept invitation ④
	5	Project Officer/ Community Mobilizer	The Greatest Company		Refused invitation ③
	6	Health Care Monitor/ Trainer	The Greatest Company		Invitation ✓ ✕ ②
	7	Accounting Department Specialist	The Greatest Company		Waiting for invitation ①

Showing 1 to 7 of 7 rows

Dear alice, ⑦

is pleased to offer you the position of c++. Your skills and experience will be an ideal fit for our C++ department.

As we discussed, your starting date will be 2020-11-21. The starting salary is $ 12312.00per month and is paid on a weekly basis. Direct deposit is available.

Full family medical coverage will be provided through our company's employee benefit plan and will be effective on 2020-11-20. Dental and optical insurance are also available. offers a flexible paid time-off plan which includes vacation, personal, and sick leave. Time off accrues at the rate of one day per month for your first year, then increases based on your tenure with the company. Eligibility for the company retirement plan begins 90 days after your start date.

If you choose to accept this job offer, please login your recruitment account and click the "Accept" button.

When your acknowledgment is received, we will send you employee benefit enrollment forms and an employee handbook which details our benefit plans and retirement plan. We look forward to welcoming you to the team.

Please let me know if you have any questions or I can provide any additional information.

Sincerely,

no one
Director, Human Resources
2020-11-15 21:26:46

Applied job

The main function is to show the status of application for job seekers. The possible status/actions are similar to offer function of the employer. For every company, the job seeker can check posted personal resume. The status of "waiting for invitation"(①) means that the resume is just submitted, and needs to wait for the response from the company. If your resume is accepted, your can do action 'Invitation √ /×'(②). If your resume is not accepted, the status bar will show you "Refused invitation"(③), else it will be 'Accept Invitation'(④). Finally, if you are so lucky to pass the interview, you will see a blue 'View offer' button(⑥), the content will be like ⑦. Otherwise, it will be "Offer refused"(⑤).

.Net C#/ C++ Software Developer

Salary: 40000.00 per year   Employment type: Full-time job   Deadline: 25-11-2022
Recruiting numbers:12   Submitted numbers:0

Brief introduction of the company

None

Job Description

AltaCode Ltd. is looking for highly qualified and motivated software developers with deep knowledge and practical experience in object oriented programming and web development.

Job Responsibilities

- - Participate in all cycles of software design and development;
- - Assure full conformance of source codes to provided Coding Standards;
- - Read, understand and modify the existing code;
- - Assist in the development of accompanying Technical Documentation;
- - Provide technical support and assistance, if requested.

Address:
Yerevan, Armenia

Apply for this job

		Search
Profile		
Applied job		
Favorite job		
Job requests		
Reset password		

No	Job Position	Company	Delete
1	.Net C#/ C++ Software Developer	The Greatest Company	⊗

Showing 1 to 1 of 1 rows

## Favorite job

Similar with employer, the job seeker can collect their favorite job and delete it from collection when they are not interested.

New		Search
Profile		
Applied job		
Favorite job		
Job requests		
Reset password		

Job Request	Delete/Edit
c++ engineer	⊗ ✎
money taker	⊗ ✎

Showing 1 to 2 of 2 rows

Job requests

The job seekers can post several their resumes on the home page, and the employer can easily see this information. They can edit or delete it at any time.

Job request

As a job seeker, if you are going to post your request on the home page, you have to fill out your 11 dights phone number. You also need to tell us what type of position you want to work as, and choose whether you have any work experience or qualification.

Reset password

Same as the employer account.