

Project Specification Document

Project Name: JobHub

Product Owner: Aolei Zhou(aoleizho), Haoge Huang(haogeh), Mandi Liu(mandil)

Product backlog

The product backlog is a comprehensive list of functionalities that the Application Management System will offer. These functionalities are organized into groups/modules based on different pages in the JobHub web page for better clarity and organization.

Applicant Personal Profile Page Features

User Profile Module

- Header Information: Display the user's name and a subtitle describing the purpose of the page.
- Basic Personal Info Card: Shows the user's basic information such as name, position, and a short bio. Includes an edit icon to toggle the visibility of an edit form.
- Contact Information Card: Lists the user's contact details with the ability to edit the information.
- Skills Card: Displays the user's skills with an option to edit.
- Interests Card: Shows the user's interests with an edit option.

Experience Module

- Education Experience Section: Displays educational background with an edit option and an add new education feature.
- Work Experience Section: Shows the user's work experience with options to edit and add new experiences.
- Project Experience Section: Lists the user's project experiences with edit and add new project features.

Edit Forms Module

- Basic Personal Info Form: A hidden form that allows users to edit their basic personal information.
- Contact Information Form: A form to edit contact details, hidden until the edit option is triggered.
- Skills Form: Allows editing of the user's skills, initially hidden.
- Interests Form: A form for editing interests, displayed only when the edit option is selected.
- Education Edit Form: A hidden form for editing education details.
- Work Experience Edit Form: A form for editing work experience details, hidden until triggered.
- Project Experience Edit Form: A hidden form for editing project experience details.

About Section

- About JobHub: A descriptive section about the purpose and functionality of JobHub.

Company Profile Page Features

Company Profile Module

- Basic Company Info Card: Display the company's name, industry, size, and a brief description. Show an avatar or logo of the company. Provide an option to edit the displayed information.
- Contact Information Card: Display the company's phone number, email, address, website, and LinkedIn profile. Provide an option to edit the contact details.
- Jobs Card: List current job openings with their respective locations and provide a button to view all job openings.
- Staff List Card: Display a list of key staff members with their roles and provide an option to edit the staff list.

Review Module

- Overall Rating Card: Display the company's overall rating out of 5 stars. Show individual ratings for specific categories: Interview Progression, Application Response Time, Benefits During Interview, Interview Atmosphere, Interviewer Professionalism. Provide a visual representation (e.g., progress bars) of the distribution of ratings (1-5 stars).
- Individual Review Filter: Include dropdown menus for users to select their job title and overall rating. Allow users to filter reviews by job title, rating, and time frame.
- Individual Review Cards: Display the review title, reviewer's name, role, date of the review, and overall rating. Show specific ratings for the categories listed above.

Edit Form Model

- Basic Company Info Form: Allows company manager editing of the company's basic info, initially hidden.
- Contact Information Form: Allows company manager editing of the company's contact info, initially hidden.
- Staff List Form: Allows company manager editing of the company's staff list.
- Review Adding Form: Allows user add reviews for the company interview experience. Provide fields for users to input their role, specific ratings, review title, and content.

Application Management Page Features

Menu bar: Linked to Profile, Jobs, My Applications, Global and Following.

Applicant account

- View Applications List: The applicant could see a list of all applications, so they can keep track of what they've applied for.
- Detailed Application View: The applicants could click on any application to see detailed information, so they can review the specifics of what is submitted and the current status (e.g., received, in review, accepted, rejected). In this page, the applicant could also view the detailed job description and company information via links.

- Communication: There are buttons to help applicants withdraw applications or contact hiring recruiters in the header of the detailed application.

Employer account

- View Job Posts List: The employers could see a list of all jobs the company posted.
- Detailed Hiring Process Management: This page will show the job description of the job and the access to detailed applicant profiles, including resumes, cover letters, and any additional information submitted.
- Communication: buttons used for contact with applicants and move on/reject the applicants.

Joblist Page Features

The Job List Page on JobHub serves as a central hub for job seekers.

Job List

- The job seekers could see a list of jobs, whether system recommendations or their search results.

Search and Filter Options

- At the top of the page, users have the ability to refine their job search using multiple criteria. They can search by job type, location, industry, and so on.
- The filter is fixed at the top of the page so that applicants can start new search easily.

Detailed Job Description Panel

- Header: Displays the job title and company name.
- Role Summary: Provides essential details about the job. It also highlights any special provisions, such as work visa sponsorships.
- Role Highlights: Offers a snapshot of the key qualifications and attributes the company is looking for in a potential candidate.
- Role Details: This section can be expanded to view a detailed job description, including responsibilities, requirements, benefits, and more.

Tool Bars

- A tool bar fixed at the bottom of the page. Users can apply or save the current viewing job there conveniently. May add more features in the future

Global/Follow Stream

Employer account

- Share company updates, team-building activities, achievements, or insights into the company's culture.
- Showcase employee testimonials, behind-the-scenes content, or throwback moments.
- Offer industry insights, advice for potential applicants, or host Q&A sessions to engage with potential candidates.

Applicant account

- Share personal work experiences, project showcases, or career milestones.

- Offer advice for interviews, provide resume tips, or discuss industry trends.
- Engage with company posts and build a network by connecting with fellow job seekers or HR.

Interactive Features (applicable for both employer and applicant account)

- Like, comment, and share functionalities for posts.
- Direct messaging for one-on-one interactions.
- Notifications to keep users updated about new posts, comments, or interactions related to their content.

First sprint backlog

For the first sprint, the team will focus on setting up the user interfaces and data models that form the foundation of the profiles, job listings, and application management pages.

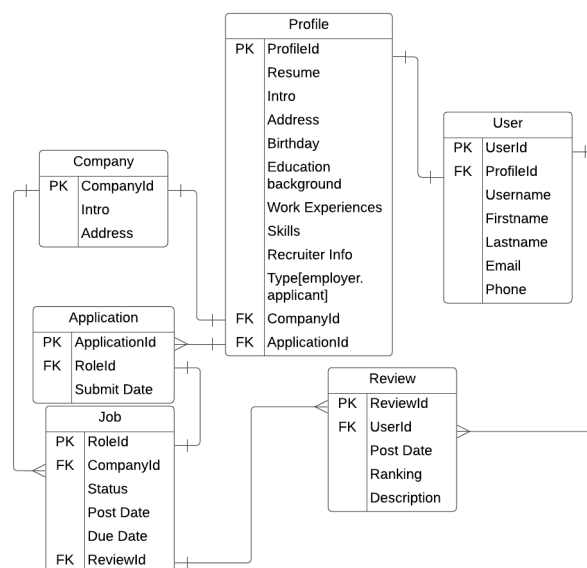
User Profile and Company Profile Page: Aolei Zhou

- Design and specifically define data models used by the profile page
- Design the UI and API documentation for the user and company profiles
- Finished all html, and css file, and build a basic structure of javascript file using jQuery

Application Management Page: Mandi Liu

- Data models used by the application management page
- HTML mockups for application management page
- non-trivial views within the application management page

Data Models



File reference: f23_team_14/jobhub/models.py


HTML mockups

User Profile Page

Olivia (Aolei) Zhou

Manage your job-seeking journey

Basic Personal Info



Olivia Zhou
Software Developer at
Snowflake

Hi, I'm Aolei, currently pursuing my Master's degree in Computational Data Science with a focus on Computer Systems at CMU. I'll be graduating in December 2023.

Contact Information

Phone: xxx-xxxx-xxxx

Email: example@example.com

Address: 123 Main St, City, Country

LinkedIn: [Aolei Zhou](#)

Resume: [version1](#)

Resume: [version1](#)

Skills

Python, Java, C++, SQL, etc.

Interests

Coding, Reading, Traveling, Music

Education

Carnegie Mellon University

Major: MCDS	GPA: 0/4.0
Duration: Aug. 2022 - Dec. 2023	Location: Pittsburgh, PA

I learned a lot from this program. Like, Database, Machine Learning, etc.

+ Add Your Education

Work Experience

Company A

Role: Software Developer Intern	Type: Full-time
Duration: May. 2023 - Aug. 2023	Location: Pittsburgh, PA

In this internship, I learned a lot about...

Company B

Role: Software Developer Intern	Type: Full-time
Duration: May. 2023 - Aug. 2023	Location: Pittsburgh, PA

In this internship, I learned a lot about...

+ Add Your Work Experience

Project Experience

Web App Development

Role: Software Developer Intern	Type: Full-time
Duration: May. 2023 - Aug. 2023	Location: Pittsburgh, PA

In this Project, I learned a lot about...

+ Add Your Project Experience

About JobHub

This is the website help you to find your dream job/dream employee. To use this layout, you can just copy paste the HTML, along with the CSS in [side-menu.css](#), and the JavaScript in [ui.js](#). The JS file uses vanilla JavaScript to simply toggle an `active` class that makes the menu responsive.

Company Profile Page

Snowflake

Explore the world of new opportunities

Basic Company Info



Snowflake

Industry: IT

Size: 1000+

Snowflake is a data cloud platform for data warehousing, data lakes, data engineering, data science, data application development, and data exchange

Contact Information

Phone: 123-456-7890

Email: example@example.com

Address: 123 Main St, City, Country

Website: [Snowflake](#)

LinkedIn: [Snowflake](#)

Company Reviews

Overall Rating

4.3 ★★★★★

5 ★★★★★

4 ★★★★★

3 ★★★★★

2 ★★★★★

1 ★★★★★

Ratings by Category

4.1 Interview Progression

3.8 Application Response Time

4.2 Benefits During Interview

3.9 Interview Atmosphere

3.9 Interviewer Professionalism

Individual Interview Reviews (2)

Job Title:

All

Rating:

All

Time Frame:

All

+ Add Your Review

LinkedIn: [Snowflake](#)

Jobs Opening

[Software Engineer](#) Pittsburgh, PA

[Software Engineer Intern](#) Pittsburgh, PA

[Senior Software Engineer](#) Pittsburgh, PA

[See All >](#)

Public Staff Lists

Co-founder: [Staff 1](#)

Hiring Manager: [Staff 2](#)

Hiring Recuriter: [Staff 3](#)

Add Your Review

Role:

Software Engineer Intern

Interview Progression:

1

Title:

Content:

Submit

Cancel

Pays well, too much process and pressure

By [Olivia Zhou](#) - Software Engineer - Oct. 13, 2023

★★★★☆

Interview Progression: 2

Application Response Time: 3

Benefits During Interview: 4

Interview Atmosphere: 5

Interviewer Professionalism: 5

This is the content of the specific review. It was insightful and helpful. Loved it!

About JobHub

This is the website help you to find your dream job/dream employee. To use this layout, you can just copy paste the HTML, along with the CSS in [side-menu.css](#) and the JavaScript in [ui.js](#). The JS file uses vanilla JavaScript to simply toggle an active class that makes the menu responsive.



Applicant Application Management Page

JobHub

Profile

Jobs

Applications

AllReviewedInterviewedHiredRejected

SOFTWARE ENGINEER

NEXTDOOR

Withdraw application

Contact Nextdoor

Application status

Applied: Sep 29

Status: Reviewed

About the role

Application deadline: March 21, 2024

Posted date: September 21, 2023

Estimated pay: \$120,000-140,000 per year

view full description

About the company

Employees: 250 - 1,500

Industry: Internet & Software

Headquarters: San Francisco, CA

view full description

MACHINE LEARNING ENGINEER

KENSHO

Withdraw application

Contact Kensho

Application status

Applied: Oct 31

Status: Interviewed

About the role

Application deadline: November 1, 2023

Posted date: August 31, 2023

Estimated pay: \$120,000-140,000 per year

view full description

About the company

Employees: 100 - 250

Industry: Internet & Software

Headquarters: Cambridge, MA

view full description

APPLICATIONS TRACKING

Applied0

Reviewed1

Interviewed1

Rejected0

Hired0

ADD YOUR REVIEW

Role:

Software Engineer Intern

Overall Rating:

1 Star

Interview Progression:

1 Star

App Response Time:

1 Star

Benefits in Interview:

1 Star

Interview Atmosphere:

1 Star

Interviewer Etiquette:

1 Star

Title:

Content:

ADD YOUR REVIEW

Role:

Software Engineer Intern

Overall Rating:

1 Star

Interview Progression:

1 Star

App Response Time:

1 Star

Benefits in Interview:

1 Star

Interview Atmosphere:

1 Star

Interviewer Etiquette:

1 Star

Title:

Content:

Submit

Cancel

Employer Application Management Page

JobHub

Profile

Jobs

Applications

ROLE ID: 000000
Software Engineer

ROLE ID: 000001
Machine Learning Engineer

AllReviewedInterviewedHiredRejected

OLIVIA ZHOU

APPLIED SEP 29

Review applicationSchedule interviewHireReject

MANDI LIU

APPLIED SEP 29

Review applicationSchedule interviewHireReject

HAOGE HUANG

APPLIED SEP 29

Review applicationSchedule interviewHireReject

APPLICATIONS TRACKING

Applied3

Reviewed1

Interviewed0

Rejected0

Hired0

POST NEW JOB

Job Name:

Job name

Job Title:

Software Development Engineer

Job Level:

New Graduate

Location:

Location

Job Responsibilities:

Job Responsibilities

Job Description:

Job Description

SubmitCancel

Job Search Page

Profile

Jobs

My Applications

Global

Following

Search

Type

Location

Industry

Full-time job

Part-time job

Internship

Remote

All filters

NEXTDOOR
Software Engineer
Status: Pending
Applied: Sep 29

KENSHO
Machine Learning Engineer
Status: Reviewed
Applied: Oct 31

Software Engineer

Nextdoor

Applied Sep 29

Withdraw applicationContact hiring recruiter

Job Description

Role Summary

Application deadline: March 21, 2024Edtimated Pay: \$120,000 - 140,000 per year
Posted date: September 21, 2023Location Type: on-site
The company will sponsor a work visa and accepts CPT/OPT

Role Highlights

Qualifications:• 3+ years of experience working on highly scalable Python applications
• Passion to bring best in class developer tools to Nextdoor• Customer first mindset

Role Details

SAVEAPPLY

The image shows a web interface for job applications. A modal window titled "Submit Application" is open, allowing a user to submit an application for a "Software Engineer" position. The background shows a sidebar with navigation links (Profile, Jobs, My Applications, Global, Following) and a list of job applications. The job listing for "Software Engineer" includes details like "Estimated Pay: \$120,000 - 140,000 per year" and "Location Type: on-site".

Submit Application

Name:
Haoge Huang

Email:
example@example.com

Resume:
[Select](#)

Message:
Hello

[Submit](#) [Cancel](#)

Software Engineer

Withdraw application
Contact hiring recruiter

024 Estimated Pay: \$120,000 - 140,000 per year
Location Type: on-site
visa and accepts CPT/OPT

Role Highlights

Qualifications: [SAVE](#) [APPLY](#)

File reference: f23_team_14/jobhub/templates/jobhub/