

Project Title

WorkNest-Job Portal Site

Author's Name:Ehsan Ul Haque Fahim

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1.Introduction:

Project type: MERN Stack (MongoDB, Express, React, and Node.js) web-based job portal.

The project's goal is to create a digital platform that will make it simple for job searchers to locate and apply for positions, as well as for administrators to publish openings and effectively handle applications. By providing segmented job listings, filters, notifications, and real-time application changes, it seeks to expedite the hiring process.

Target Audience:

- ☐ Job seekers are people who are looking for work in a variety of fields and places.
- ☐ Recruiters/Admins: Employees of the company or site administrators who advertise openings and handle applications.

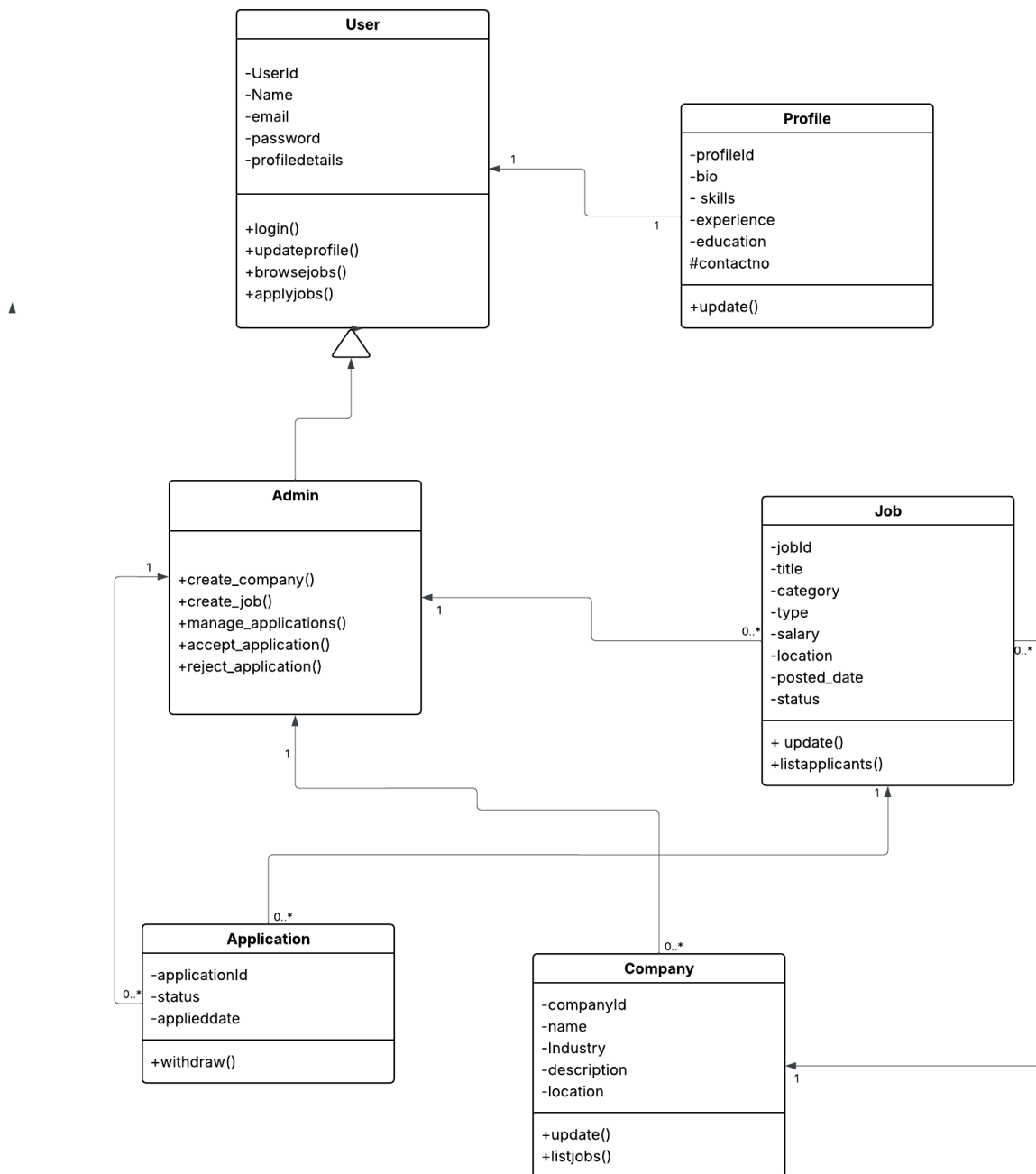
2.Functional Requirements

- ☐ Search and browse jobs by title, category, location, or salary.
- ☐ View latest and top job listings on the homepage.
- ☐ Edit and update personal profile.
- ☐ Apply for a job with a single click.
- ☐ Receive notifications and track application statuses on the user dashboard.
- ☐ Create and manage company profiles.
- ☐ Post and edit job listings.
- ☐ View, accept, or reject job applications.
- ☐ Manage user applications with status updates.

3. Non-Functional Requirements

- ☐ **Performance:** Fast and responsive UI with optimized backend performance.
- ☐ **Security:** JWT-based authentication for user/admin access control.
- ☐ **Scalability:** Built to support large user bases and job records.
- ☐ **Usability:** Clean, intuitive interface for both admins and users.
- ☐ **Availability:** The system should maintain high uptime and reliability.
- ☐ **Maintainability:** Modular code structure following best practices for future enhancements.

4. Class Diagram



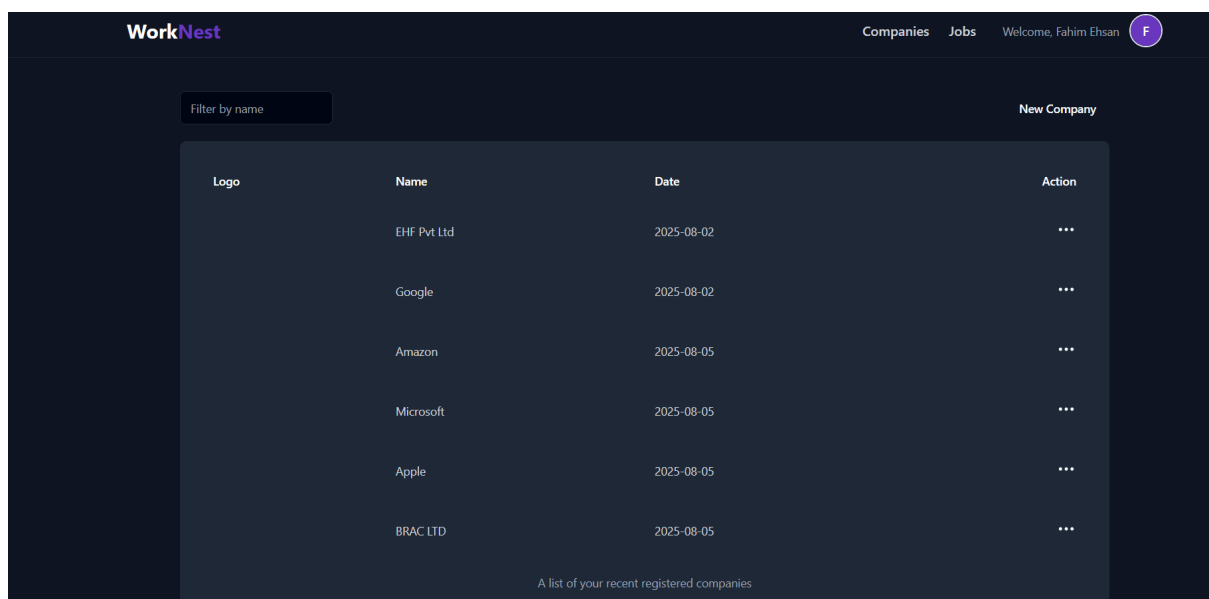
5. Tools and Technologies

- ☐ **Frontend:** React.js, HTML, CSS, JavaScript, Tailwind CSS
- ☐ **Backend:** Node.js, Express.js
- ☐ **Database:** MongoDB
- ☐ **Version Control:** Git, GitHub
- ☐ **Package Manager:** npm

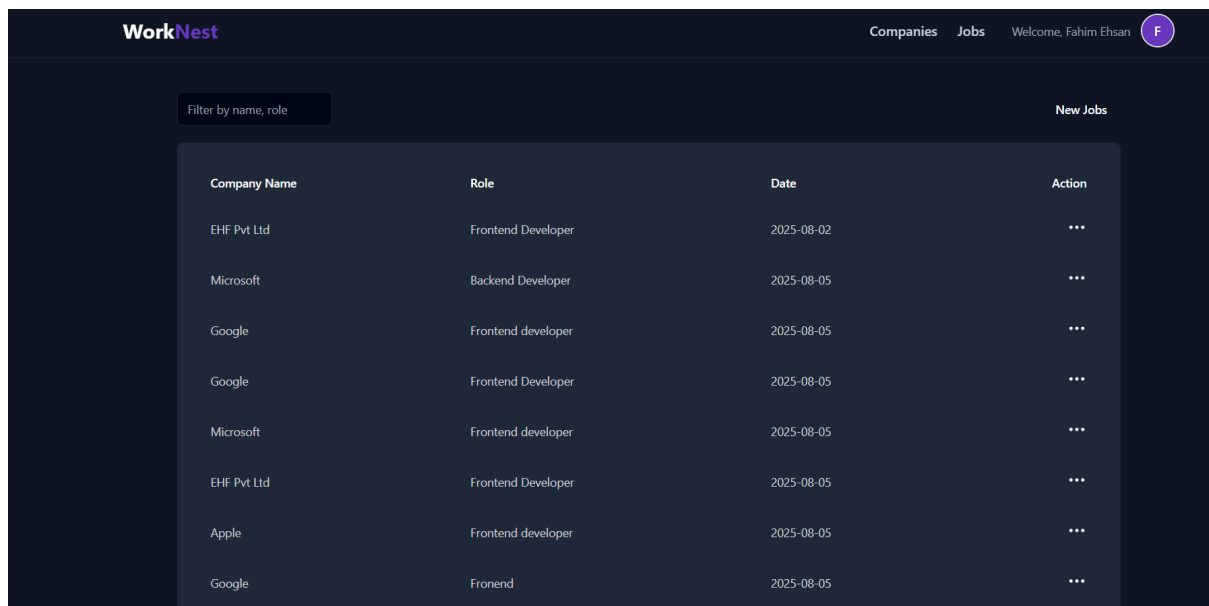
6. Compatibility with System Environment

- ☐ **Client Side:** Compatible with modern browsers (Chrome, Firefox, Edge)
- ☐ **Server Side:** Works with Node.js runtime
- ☐ **Database:** Compatible with MongoDB Atlas or local MongoDB installations

7.Implementation

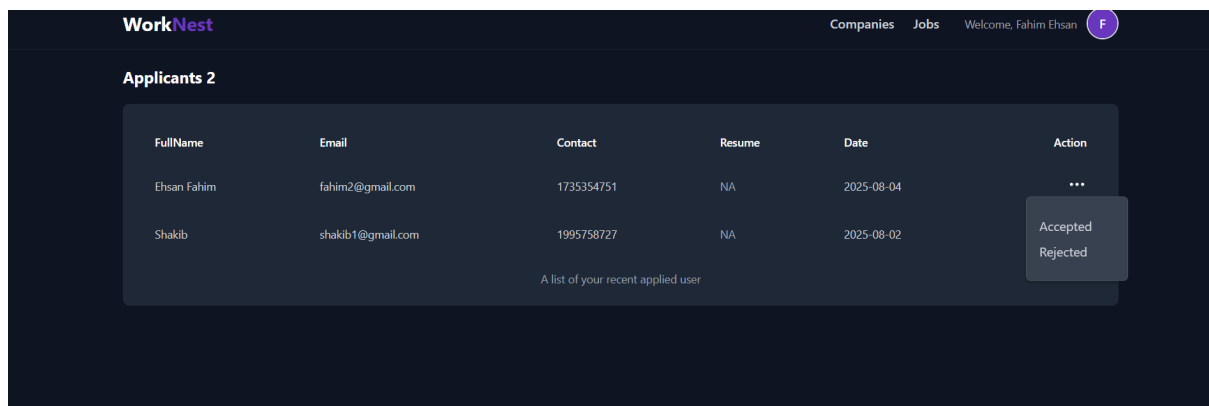


Here Admin can create a new company or edit a company profile.



Company Name	Role	Date	Action
EHF Pvt Ltd	Frontend Developer	2025-08-02	...
Microsoft	Backend Developer	2025-08-05	...
Google	Frontend developer	2025-08-05	...
Google	Frontend Developer	2025-08-05	...
Microsoft	Frontend developer	2025-08-05	...
EHF Pvt Ltd	Frontend Developer	2025-08-05	...
Apple	Frontend developer	2025-08-05	...
Google	Fronend	2025-08-05	...

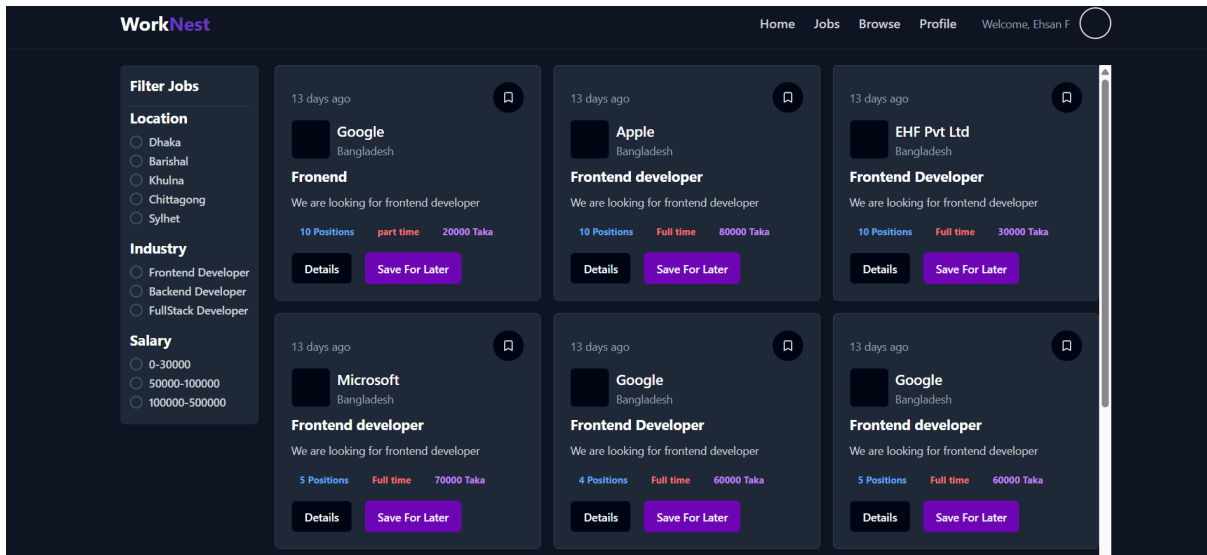
Here Admin can create and post a job.



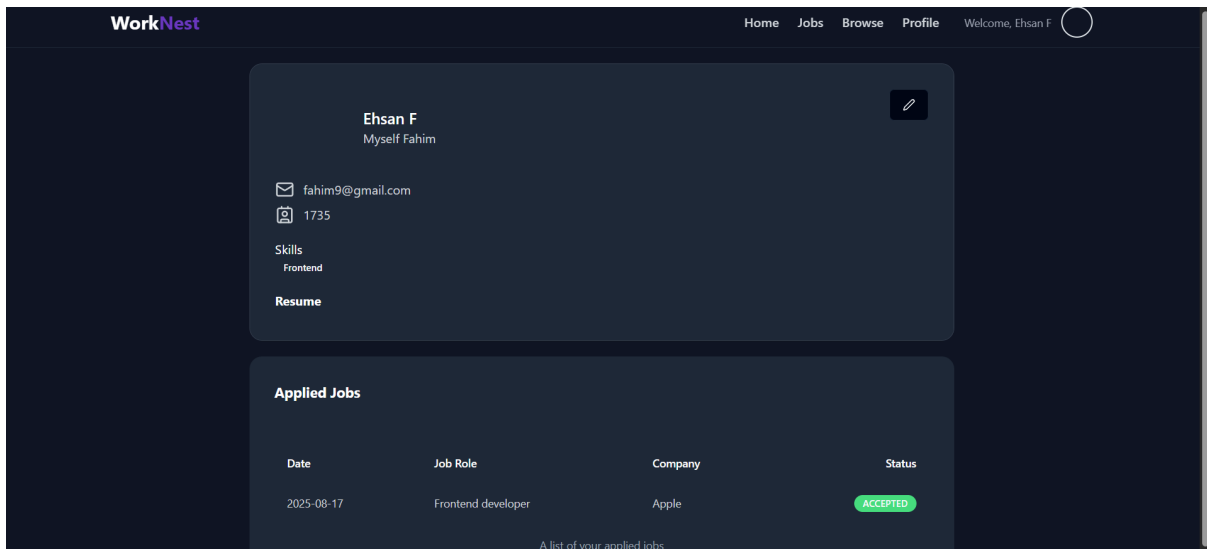
FullName	Email	Contact	Resume	Date	Action
Ehsan Fahim	fahim2@gmail.com	1735354751	NA	2025-08-04	...
Shakib	shakib1@gmail.com	1995758727	NA	2025-08-02	Accepted Rejected

A list of your recent applied user

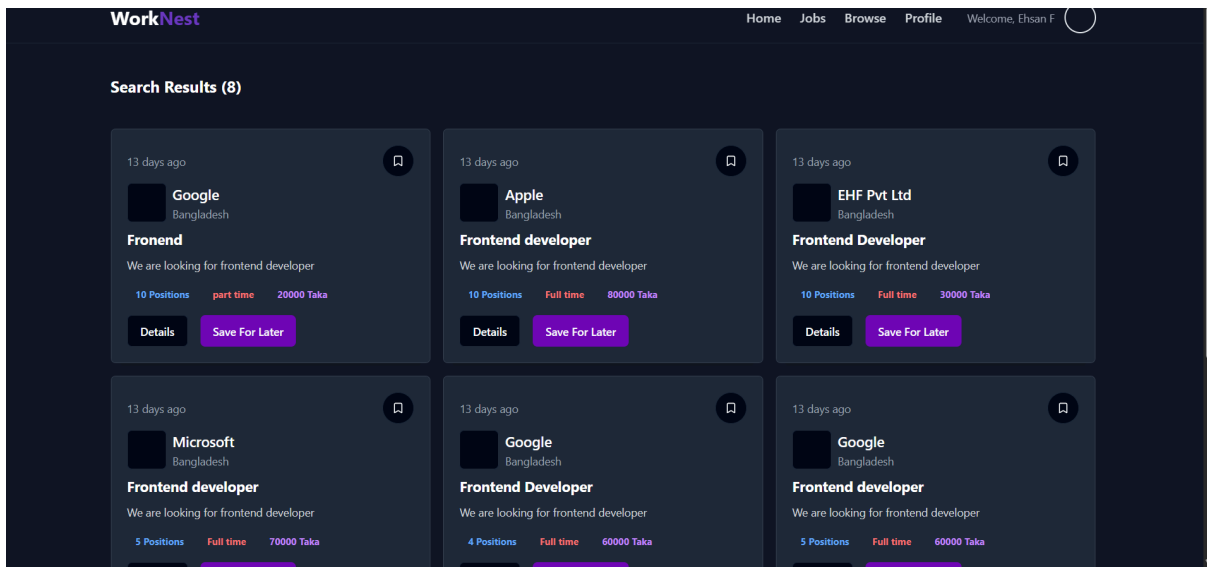
Admin can see applicants' applications and then he can reject or accept him.



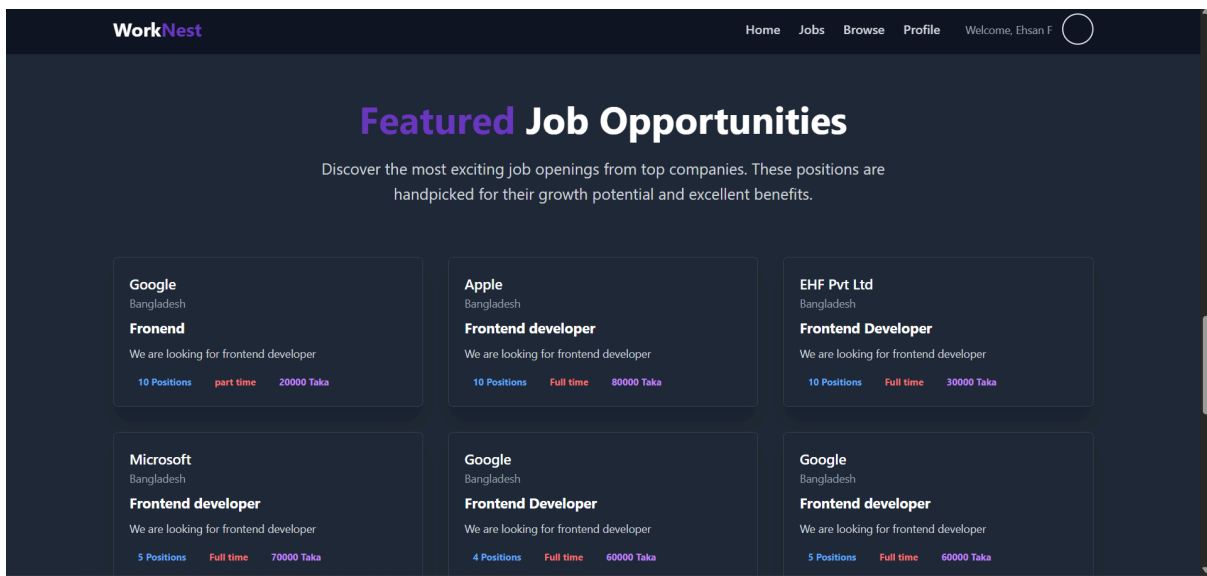
Here job seekers can filter jobs according to location, industry or salary.



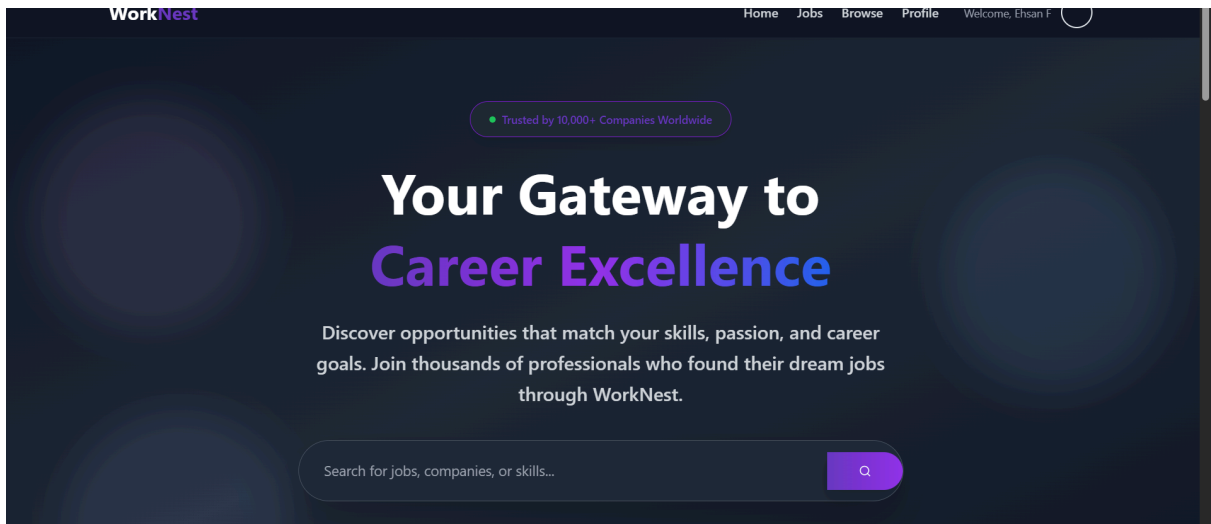
Users can update his profile.



Users can browse jobs.



Newly created jobs will appear in the Homepage.



User can search job.

8.Challenges

In sprint 2 I didn't face that much problem as the server was already created and mongodb connected successfully in sprint 1. But in this sprint the problems I faced is integrating the frontend with backend.

9.Conclusion

WorkNest Job Portal aims to provide a simple and effective platform for job searchers and businesses, expediting the recruiting process with categorized postings, filters, and real time updates. Developing this project was difficult but rewarding. Although developing the initial feature was difficult, it provided me with excellent experience in full-stack development using the MERN stack. Overall, it was a fantastic learning experience that boosted my abilities and confidence.

10. References

- 1.<https://ui.shadcn.com/docs/installation/vite>
- 2.<https://github.com/>