

Documentation of the Project

Job Hunting

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Project: Job-Hunting Portal

The **Job-Hunting** platform is a comprehensive job portal designed to connect job seekers with potential employers. It allows users to browse and apply for job opportunities, while hosts (employers) can post available positions. As part of the development team, I've taken a hands-on role in both front-end and back-end development, contributing significantly to the platform's foundational structure and key functionalities over the past two weeks.

Week - 1

In the first week, I initiated the project by setting up the main GitHub repository, which is hosted under my account. This

allowed me to maintain control over versioning, branch management, and code reviews, ensuring smooth collaboration among team members. Alongside this, I set up the core of the

project by integrating React for the front end, and establishing the backend environment using MongoDB, Express, and Node.js

(MERN stack). This ensured that both the client and server sides of the application were ready for further development.

One of my key tasks during this period was developing the **signup page**, which included Google Sign-In integration. I focused on making the user interface responsive, ensuring that it provides a seamless experience across various devices. The responsive design ensures that users can easily access the portal, whether from mobile devices or desktops.

During the second week, I focused on enhancing the authentication system. I integrated **Firebase Authentication** to handle both user signups and logins, providing a secure and scalable solution. To ensure that the platform maintains high levels of security, I also implemented **JWT tokens** to authenticate users and manage session states effectively.

In addition to the authentication system

Week 2

- **Task:** Developed the Job Post Form
 - **Description:** Designed and implemented the form for posting job listings, allowing employers to input job details.
 - **Backend:** Created a backend route to handle job postings, ensuring data validation and storage in the database.
 - **UI Design:** Crafted a user-friendly interface for both employers and job seekers.

Week 3

- **Task:** Implemented Resume Upload Feature
 - **Description:** Explored Redux for state management and integrated it into the application.
 - **Feature:** Developed a resume upload functionality using Multer for file handling. Users can now upload their resumes when applying for jobs.
 - **Redux Implementation:** Managed the resume upload state with Redux, enhancing the user experience and making the application scalable.

Week 4

- **Task:** Sidebar and Apply Job Modal/Form
 - **Description:** Created a responsive sidebar for easy navigation within the job portal.
 - **Feature:** Developed the Apply Job modal/form, allowing users to apply for jobs seamlessly. The modal is designed for quick access and user convenience.

Week 5

- **Task:** UI Polishing
 - **Description:** Conducted a thorough review of the UI, making adjustments for better aesthetics and usability.
 - **Improvements:** Enhanced button styles, spacing, and overall layout to ensure a consistent and visually appealing design across the application.

Week 6

- **Task:** Payment Feature Implementation
 - **Description:** Developed the payment feature, allowing users to make payments for job applications or premium listings.
 - **Substitution Type:** Implemented a substitution type for payment selection, enhancing flexibility for users.
 - **UI and Backend Design:** Created a user-friendly UI for payment processing and established backend routes to handle payment transactions.

- **Admin Dashboard:** Enabled the admin to view payment transactions, ensuring transparency and efficient management of payments.