Class: 23CLC09 - Introduction to Software Engineering

Group ID: 02

Group name: PixelCrafters

Project name: Jobify

PROJECT PROPOSAL

- **Introduction:**

  In the digital age, the demand for effective hiring and job searching continues to grow-especially with the rise of flexible working models like remote, freelance, and hybrid jobs. Jobify is designed to be a simple, streamlined platform that connects the right candidates with the right employers-quickly and efficiently. The app emphasizes a clean, user-friendly interface uhile offering all the essential tools needed for both job seekers and recruiters to find their perfect match. Jobify features four main user roles: Candidate, HR (Recruitments), Admin, Moderator. Each role is equipped with a tailored set of features.

- **Target users:** HR, People With Hiring Needs, Job Seekers (Candidates)

- **Environments:**
  - Devices: PC
  - Platform: Web
  - Web browsers recommended:
    - For optimal security and performance, please use the most updated version of your browser for your operating system.
    - Jobify works best on the latest versions of

- **Key features:**
  - For candidates:
    - **User Registration & Profile Creation**: Sign up and create a personal profile including resume details, work experience, skills, and contact information.
    - **Browse Job Listings**: View available job postings with filters for job title, company, location, job type (remote, freelance, hybrid, onsite), and salary range.

- **Apply for Jobs**: Submit job applications directly through the platform by uploading a CV, filling out application forms, or sending cover letters.
- **Save & Bookmark Jobs**: Mark interesting job posts to a personal "Saved Jobs" list for later application or review.
- **Application Tracking**: Track the status of submitted applications (e.g., Pending, Viewed, Shortlisted, Interview, Rejected).
- **Receive Notifications**: Get notified when application statuses update, new relevant job posts appear, or emails from HR are received.
- **Job Match Suggestions**: Receive job recommendations based on profile skills, job search history, and saved jobs.
- **Resume Upload & Update**: Upload, view, and update CV/resume files within your profile.
- **Edit Personal Information**: Modify contact info, profile photo, work history, and skills anytime.
- **AI-Powered Job Match Suggestions:**
  - **Smart Recommendations:** Leverage a simple AI/ML model that analyzes candidate profiles, skills, search history, and saved jobs to suggest personalized job listings.
  - **Dynamic Updates:** Job suggestions will improve as the candidate updates their profile or interacts more with job posts.
  - **'Recommended for You' Section:** A dedicated area in the dashboard to view AI-recommended jobs based on relevancy score.
- For recruitments:
  - **Access HR Dashboard:** View a summarized interface for managing job posts, applicant status, and company information
  - **Register a company or recruitment account:** HR users can register as an organization or recruiter to begin posting jobs and

managing candidates. But this account needs to be censored by Moderators.

- **Create, Edit, and Manage Job Postings:** Post new job opportunities with detailed descriptions. Edit or delete postings as needed to reflect real-time hiring needs.

- **Review candidate applications:** Browse through candidate profiles, approve or reject applications, and send notices via email.

- **Track job status and engagement:** Monitor each job post's performance: number of applications, saved jobs, and user engagement.

- **Manage multiple job posts simultaneously:** Easily handle multiple ongoing recruitments from a centralized dashboard.

○ For moderators:

- **Review Content:** Ensure job postings, company profiles, and candidate submissions meet platform guidelines.

- **Approve or Reject Listings:** Moderate and validate new company registrations and job postings

- **Flag Inappropriate Activity:** Monitor and respond to misuse or suspicious behavior on the platform.

- **Moderate company accounts:** All accounts posting job listings must be reviewed and approved.

- **User Support:** Assist users with disputes or technical issues.

○ For admins:

- **Full System Oversight:** Manage all user roles and platform data.

- **Analytics Dashboard:** View metrics related to platform usage, job application rates, and user growth.

- **Manage Platform Settings:** Update policies, terms, categories, and configurations.

- **Backup & Recovery:** Ensure data integrity with scheduled backups and disaster recovery options.

- **Security & Permissions Management:** Define and enforce role-based access controls and privacy rules.