

Comprehensive Job Portal Feature Documentation

1. User Management

- User Types: Job Seekers, Employers, Admins, HR teams.
- Profile Management:
 - Job seekers can create and edit profiles, upload resumes (PDF/DOC), and add skills, education, experience, and certifications.
 - Employers can create company profiles, list job openings, and manage job applications.
- Authentication & Authorization:
 - Role-based access control (RBAC).
 - Multi-factor authentication using email/OTP.
 - Social login integration (Google, LinkedIn).

2. Job Management

- Employers can:
 - Post jobs with requirements, location, salary, etc.
 - Manage applications (shortlist, schedule interviews).
 - View analytics on job views and application stats.
- Job seekers can:
 - Search jobs by filters (location, salary, industry, job type).
 - Save jobs for later applications.

4. Real-Time Communication

- Community Chats:
 - Public and private chat rooms by industry or skill.
 - Direct messages between users.
 - File sharing in chats.
- Live Video Streaming with WebRTC:
 - For webinars, Q&A sessions, and live events.
 - Recording and saving live streams for later playback.

5. Document Handling

- Resume Parsing: Parse uploaded resumes to extract structured data (e.g., skills, experience).
- CSV/Excel Reports: Export application data, job stats, and analytics in CSV/Excel formats.
- PDF Generation: Generate offer letters, invoices, or detailed job descriptions dynamically.

6. Advanced Job Search

- AI-Powered Recommendations: Suggest jobs based on the user's profile and application history.
- Elasticsearch for fast, fuzzy search and filtering.

7. Scheduler & Automation

- Cron Jobs:
- - Automated reminders for users to complete profiles.
- - Notify job seekers about expiring job postings.
- - Generate weekly/monthly analytical reports for admins.

8. Analytics Dashboard

- For Admins and Employers:
- - Real-Time Metrics: Number of jobs posted, active job seekers, and application trends.
- - Insights: User engagement, industry hiring trends, and skill demands.

10. Security

- Data Protection: Encrypt sensitive user data (e.g., passwords, personal details).
- GDPR/CCPA compliance for user privacy.
- Audit Logs: Track changes to job postings, applications, or user data.

11. Admin Panel

- User Management: Block, delete, or verify users.
- Job Moderation: Approve, flag, or delete job postings.
- System Settings: Manage platform-wide configurations (e.g., notification templates).

12. File and Media Management

- Upload and manage profile images, resumes, and documents.
- Compress images and convert videos for efficient storage.

13. Socket.IO for Real-Time Updates

- Notifications: Real-time delivery of alerts or updates.
- Chat Messages: Seamless and instant communication.