SOFTWARE REQUIREMENT SPECIFICATION

Job Portal

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ISSUED BY

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REPRESENTATIVE

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Introduction of Job Portal

Welcome to our job portal project, a platform designed to help job seekers find their dream job and employers find the best talent for their company. Our goal is to create a user-friendly and efficient job search experience that streamlines the recruitment process for both candidates and employers.

With our job portal, job seekers can create a profile, upload their resume, and search for job openings that match their skills and interests. They can also receive job alerts, track their applications, and connect with potential employers through our messaging system. Employers, on the other hand, can post job listings, search for candidates based on specific criteria, and communicate with applicants directly through our portal. They can also manage their job postings and candidate applications in one place, making the hiring process more efficient and effective.

Our job portal project aims to make the job search and recruitment process as smooth and hassle-free as possible. We believe that by providing a comprehensive platform that caters to the needs of both job seekers and employers, we can help bridge the gap between talent and opportunity.

Abstract

Our job portal project is a web-based platform designed to connect job seekers with potential employers. The system provides a user-friendly interface for job seekers to search and apply for job openings that match their skills and interests. It also offers a suite of tools for employers to post job listings, review resumes, and communicate with applicants.

The job portal system is built on a scalable and modular architecture, which allows for easy customization and integration with existing recruitment systems. The system features robust search capabilities, with advanced filtering options based on job title, location, salary range, and other parameters.

For job seekers, the system offers a streamlined job search experience, with features such as personalized job alerts, resume management tools, and real-time messaging with potential employers. Job seekers can also use the platform to research companies and learn about the latest industry trends.

Employers can use the job portal system to manage their recruitment processes more efficiently, with features such as candidate tracking, resume screening, and interview scheduling. The system also offers analytics tools to help employers track key metrics such as job posting performance and candidate conversion rates.

Overall, our job portal project is designed to improve the efficiency and effectiveness of the recruitment process, providing value to both job seekers and employers.

Modules Description

1.User Management Module:

This module is responsible for managing user accounts, including creating, updating, and deleting user profiles. It also includes functionality for user authentication and role-based access control.

2.Job Search Module:

This module allows job seekers to search for job openings based on various search criteria, including job title, location, salary range, and industry. It includes advanced filtering options such as job type, experience level, and education.

3.Job Posting Module:

This module allows employers to post job openings, including job title, job description, required qualifications, and salary range. It also includes features for managing job postings, such as expiration dates and visibility settings.

4.Resume Management Module:

This module allows job seekers to create and manage their resumes, including adding education, work experience, skills, and other relevant information. It includes features for uploading, editing, and deleting resumes.

5.Application Management Module:

This module allows employers to manage job applications, including viewing resumes, scheduling interviews, sending messages to applicants, and making hiring

decisions. It also includes features for tracking applicant status and managing application data.

6.Employer Profile Module:

This module allows employers to create and manage their company profile, including company description, logo, and other relevant information. It includes features for updating company information and managing company branding.

7.Messaging Module:

This module allows job seekers and employers to communicate with each other directly through the portal, enabling efficient and streamlined communication. It includes features for sending and receiving messages, as well as managing message history.

8.Reporting and Analytics Module:

This module provides employers with insights into job posting performance, candidate conversion rates, and other key metrics. It includes features for generating reports and analyzing data to make data-driven decisions.

Overall, the job portal project SRS modules provide a comprehensive platform for job seekers and employers to connect and interact with each other, streamlining the recruitment process and making it more efficient for both parties.

PERMISSIONS

Job Seeker Permissions:

View job postings and apply for jobs
Create and manage a personal profile
Upload and manage resumes
Search and filter job postings
Receive job alerts
View and respond to messages from employers

Employer Permissions:

Post job openings
Manage job postings
Search and view job seeker profiles and resumes

Receive and manage job applications

Communicate with job seekers

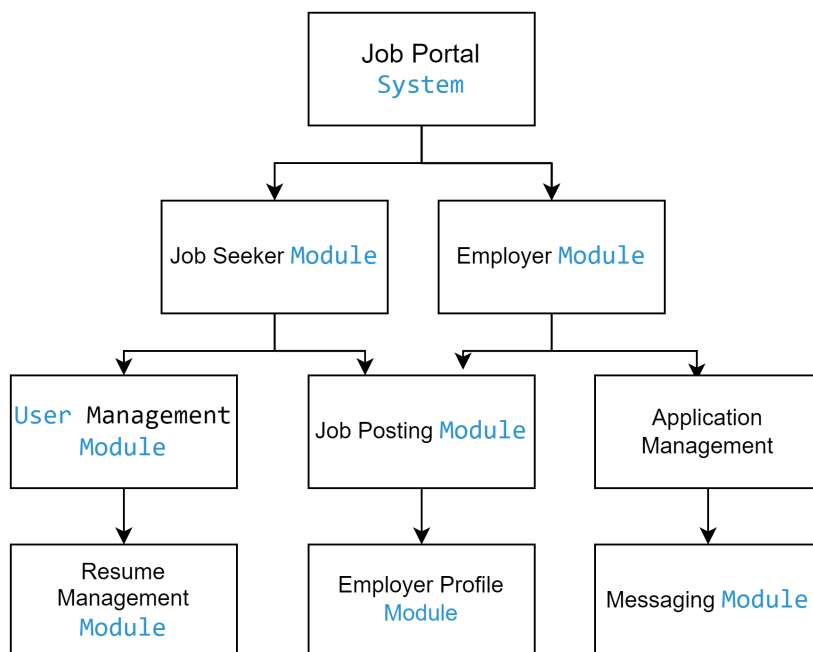View and analyze recruitment data and reports

Admin Permissions:

Manage user accounts and roles

Manage job postings and applications

Access and analyze recruitment data and reports

Manage system settings and configurations

View and respond to user inquiries and support requests

Monitor and manage system performance and security

Overall, the job portal project SRS permissions provide a clear outline of the roles and responsibilities of job seekers, employers, and administrators on the platform, ensuring that each user has access to the appropriate features and functions required to perform their tasks efficiently and effectively.
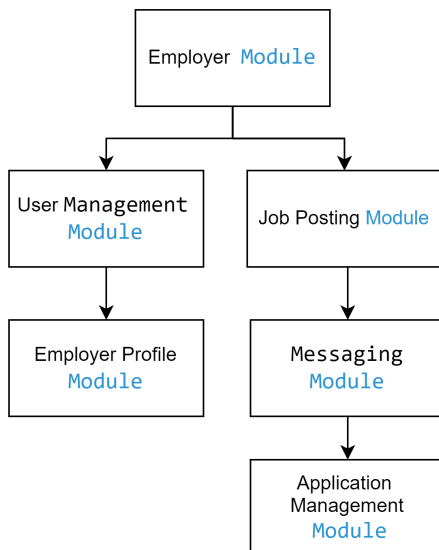
Data flow diagram of Job Portal

Level 0 DFD:

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                    ┌──────────────────┐
                    │   Job Portal     │
                    │   System         │
                    └──────────────────┘
                             │
              ┌──────────────┴──────────────┐
              ▼                             ▼
    ┌──────────────────┐        ┌──────────────────┐
    │ Job Seeker Module│        │ Employer Module  │
    └──────────────────┘        └──────────────────┘
         │                          │           │
         ▼                          ▼           ▼
┌──────────────────┐  ┌──────────────────┐  ┌──────────────────┐
│ User Management  │  │ Job Posting      │  │  Application     │
│ Module           │  │ Module           │  │  Management      │
└──────────────────┘  └──────────────────┘  └──────────────────┘
         │                     │                     │
         ▼                     ▼                     ▼
┌──────────────────┐  ┌──────────────────┐  ┌──────────────────┐
│ Resume           │  │ Employer Profile │  │ Messaging Module │
│ Management       │  │ Module           │  │                  │
│ Module           │  │                  │  │                  │
└──────────────────┘  └──────────────────┘  └──────────────────┘
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Level 1 DFD for Job Seeker Module:
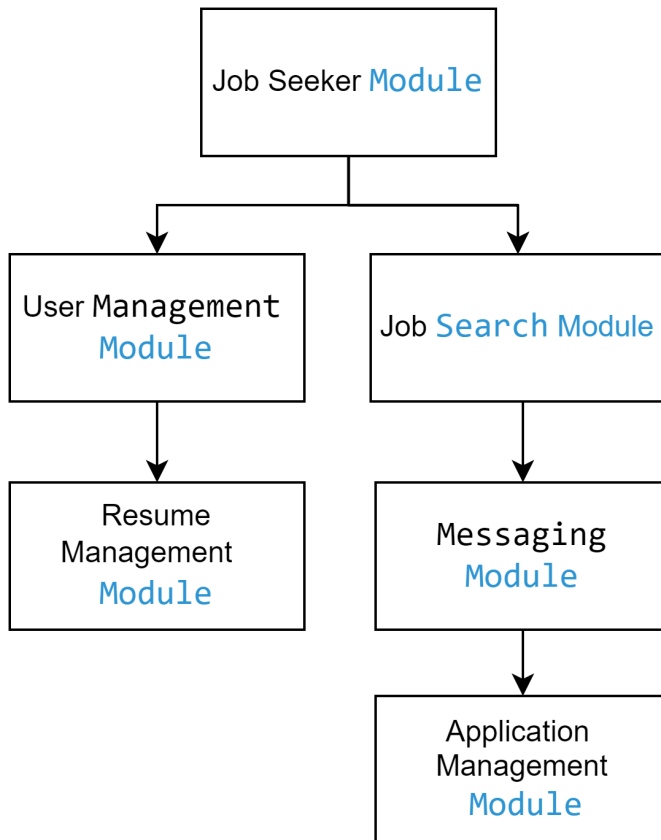
Level 1 DFD for Employer Module:

Overall, this data flow diagram illustrates how data flows through the various modules of the job portal system, highlighting the interactions between job seekers, employers, and the system itself. The diagram helps to provide a visual representation of the system architecture and the various data processing steps involved in each module.

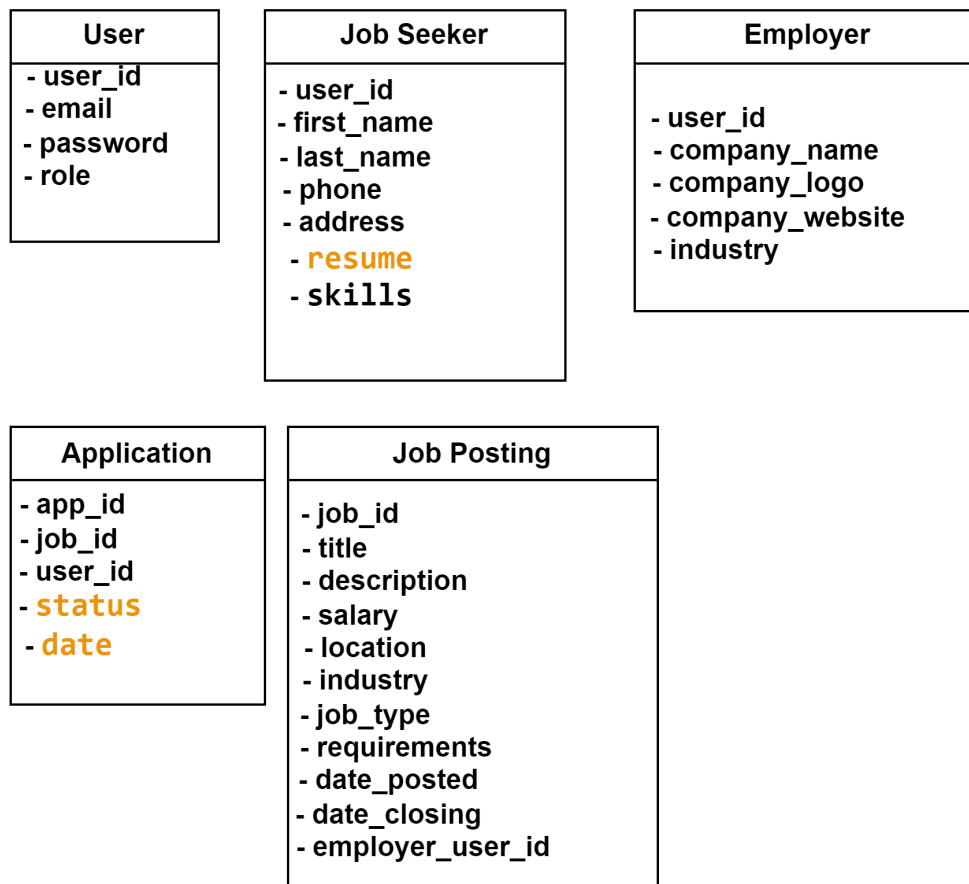## Entity Relationship diagram Job Portal
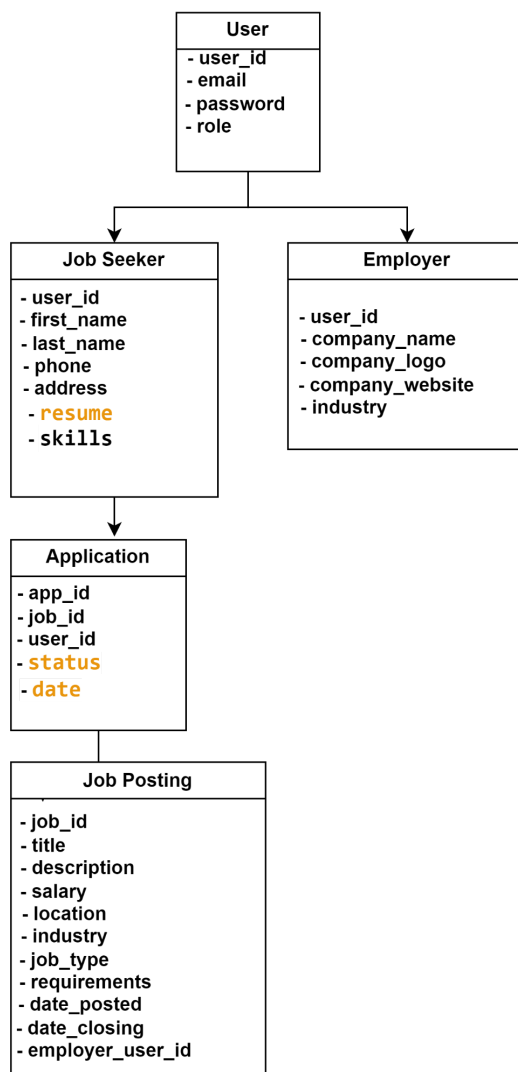
This ER diagram shows the main entities in the job portal system, including User, Job Seeker, Employer, Application, and Job Posting. The relationships between these entities are also shown, such as the one-to-many relationship between User and Job Seeker/Employer, the many-to-one relationship between Application and Job

Posting/User, and the one-to-many relationship between Job Posting and Application. The attributes of each entity are also shown, such as the user_id, email, and password for User, and the job_id, title, and description for Job Posting.

Database design of Job Portal

User
- user_id - email - password - role

Job Seeker
- user_id - first_name - last_name - phone - address - resume - skills

Employer
- user_id - company_name - company_logo - company_website - industry

Application
- app_id - job_id - user_id - status - date

Job Posting
- job_id - title - description - salary - location - industry - job_type - requirements - date_posted - date_closing - employer_user_id

Conclusion of Online of Job Portal

In conclusion, a job portal project is a complex system that requires careful planning, analysis, and design in order to be successful. The purpose of this SRS document is to provide a comprehensive understanding of the system requirements, including the functional and non-functional requirements, user requirements, and system constraints. The proposed system will include several key modules such as user management, job posting and search, application management, and reporting. These modules will work together to provide a seamless and efficient user experience for both job seekers and employers.

To ensure the success of the project, it will be important to follow a structured development process that includes requirements gathering, analysis, design, implementation, testing, and deployment. Throughout this process, it will be important to involve all stakeholders, including users, developers, and project managers, to ensure that the system meets the needs of all parties involved.

Ultimately, the job portal project will help to streamline the job search and recruitment process, making it easier for job seekers to find relevant job opportunities and for employers to connect with qualified candidates.