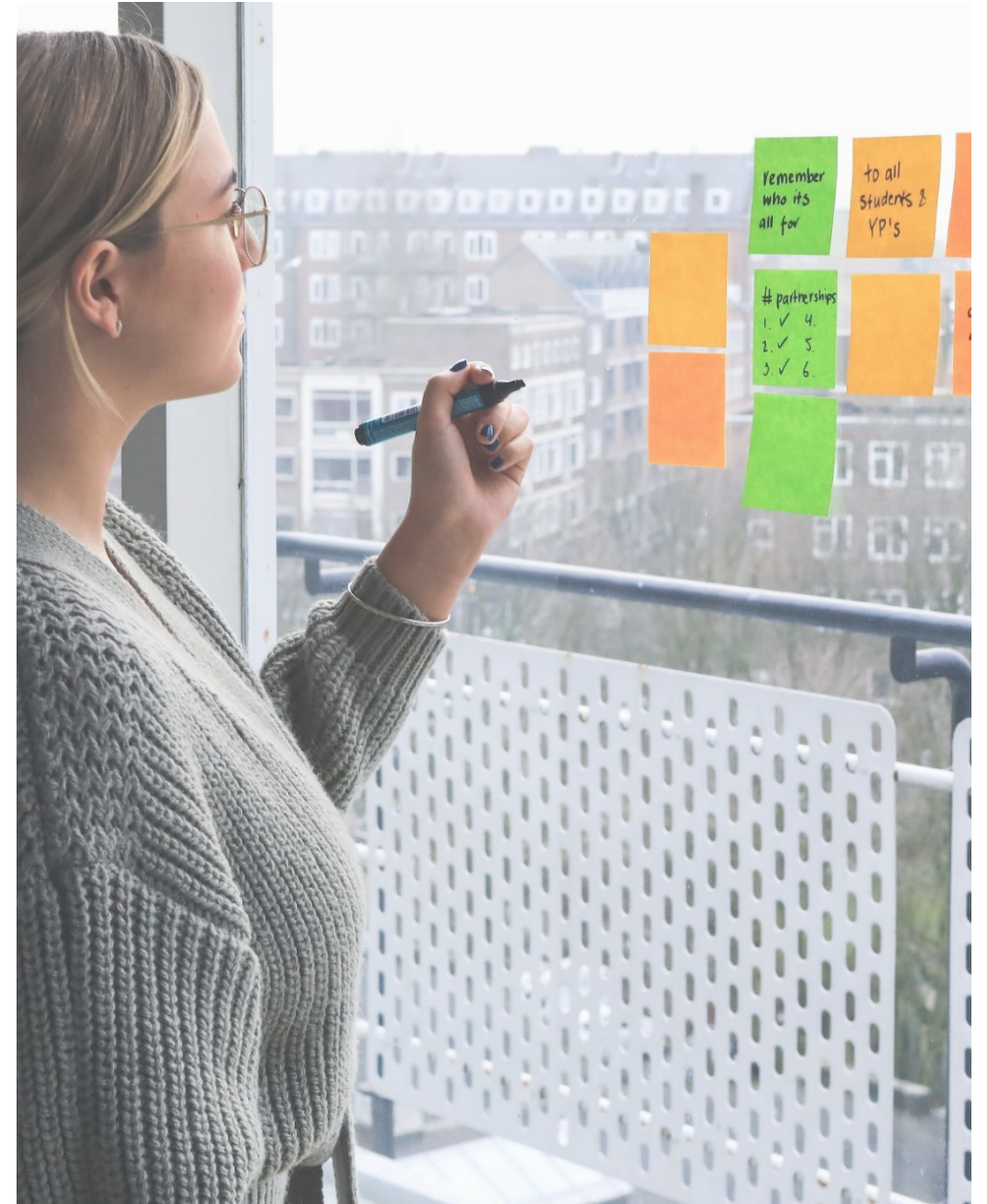# Talent Tribe

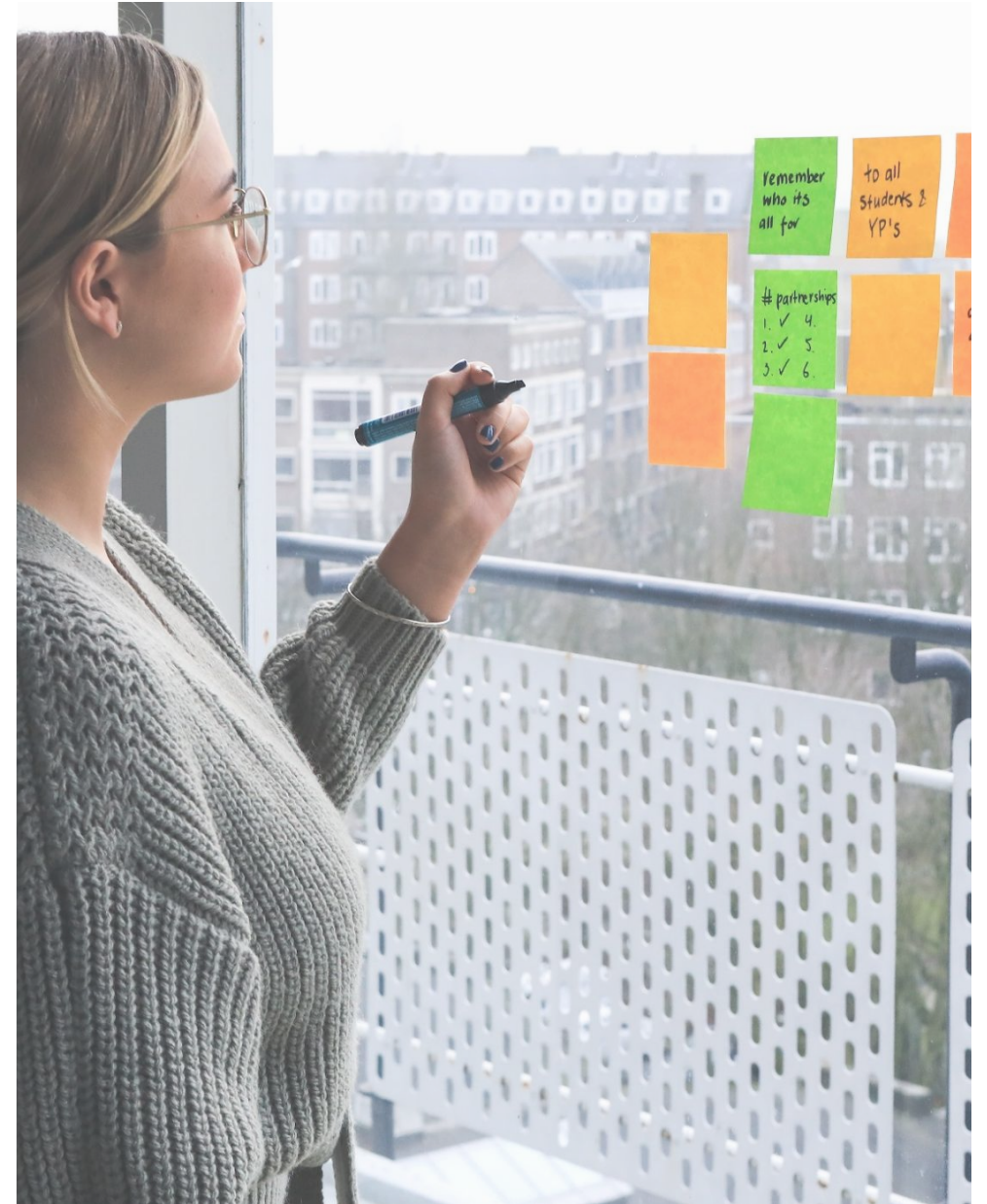A Job Portal Site     By Siddarth S

# Project Abstract

This case study describes the development of an online job portal designed to bridge the gap between employers and job seekers. The portal will facilitate job postings, applications, resume management, and aiming to streamline the hiring process and enhance job search efficiency.

# Technology Stack

• Frontend:
  ◦ Angular  for a dynamic and interactive user interface.
  ◦ HTML5, CSS3, and Bootstrap or Tailwind for responsiveness and layout.
• Backend:
  ◦ ASP.NET Core(Repository Pattern) for server-side logic .
  ◦ Entity Framework Core for database interactions.
  ◦ Role based JWT authentication for secure login.
• Database:
  ◦ SQL Server for relational database management.

# Modules

There are three modules in our application

| | |
|---|---|
|  | **Job Seeker** |
|  | **Employer** |
|  | **Admin** |

## Job Seeker
Module

**Functionalities**

◦ **Registration/Login**: registration processes for job seekers and employers, with secure login functionality.

◦ **Profile Management**: Users can create and edit profiles, including uploading resumes and credentials for job seekers, and company profiles for employers.

◦ **Job Search:** A dynamic search module allowing job seekers to find job listings based on various filters like location, job title, and salary range.

## Employer
Module

## Functionalities

- **Job Posting:** Employers can post job vacancies, specifying details such as job description, required qualifications, and employment type.

- **Applicant Management**: A system to review applications, shortlist candidates, and manage interviews.

- **Communication Tools**: Tools to facilitate direct communication with candidates, including scheduling interviews and sending updates.
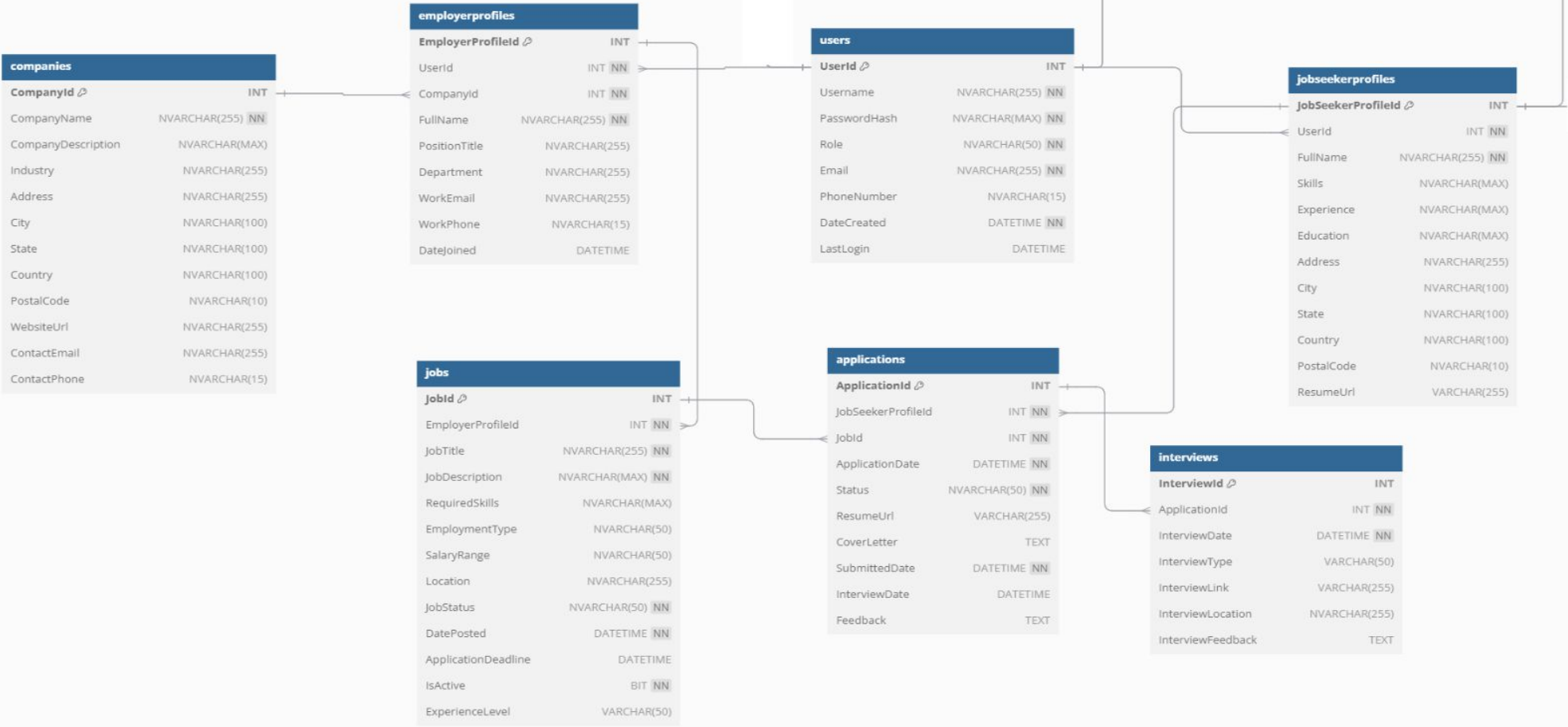
## Admin
Module

## Functionalities

- **User Management:** Admins can manage both job seeker and employer accounts, ensuring compliance with portal policies.

- **Content Management:** Oversight of job postings and advertisements to ensure quality and relevance.

- **Reporting and Analytics:** Can look into the Satistics of the portal

# DB Diagram

**admins**
| AdminId | | INT |
|---|---|---|
| UserId | INT | NN |
| AdminRole | | NVARCHAR(50) |

**credentials**
| CredentialId | | INT |
|---|---|---|
| JobSeekerProfileId | INT | NN |
| CredentialName | VARCHAR(150) | NN |
| CredentialUrl | | VARCHAR(255) |
| IssuedBy | | VARCHAR(150) |
| IssueDate | | DATETIME |
| CredentialType | | VARCHAR(50) |

**employerprofiles**
| EmployerProfileId | | INT |
|---|---|---|
| UserId | INT | NN |
| CompanyId | INT | NN |
| FullName | NVARCHAR(255) | NN |
| PositionTitle | | NVARCHAR(255) |
| Department | | NVARCHAR(255) |
| WorkEmail | | NVARCHAR(255) |
| WorkPhone | | NVARCHAR(15) |
| DateJoined | | DATETIME |

**users**
| UserId | | INT |
|---|---|---|
| Username | NVARCHAR(255) | NN |
| PasswordHash | NVARCHAR(MAX) | NN |
| Role | NVARCHAR(50) | NN |
| Email | NVARCHAR(255) | NN |
| PhoneNumber | | NVARCHAR(15) |
| DateCreated | DATETIME | NN |
| LastLogin | | DATETIME |

**jobseekerprofiles**
| JobSeekerProfileId | | INT |
|---|---|---|
| UserId | INT | NN |
| FullName | NVARCHAR(255) | NN |
| Skills | | NVARCHAR(MAX) |
| Experience | | NVARCHAR(MAX) |
| Education | | NVARCHAR(MAX) |
| Address | | NVARCHAR(255) |
| City | | NVARCHAR(100) |
| State | | NVARCHAR(100) |
| Country | | NVARCHAR(100) |
| PostalCode | | NVARCHAR(10) |
| ResumeUrl | | VARCHAR(255) |

**companies**
| CompanyId | | INT |
|---|---|---|
| CompanyName | NVARCHAR(255) | NN |
| CompanyDescription | | NVARCHAR(MAX) |
| Industry | | NVARCHAR(255) |
| Address | | NVARCHAR(255) |
| City | | NVARCHAR(100) |
| State | | NVARCHAR(100) |
| Country | | NVARCHAR(100) |
| PostalCode | | NVARCHAR(10) |
| WebsiteUrl | | NVARCHAR(255) |
| ContactEmail | | NVARCHAR(255) |
| ContactPhone | | NVARCHAR(15) |

**jobs**
| JobId | | INT |
|---|---|---|
| EmployerProfileId | INT | NN |
| JobTitle | NVARCHAR(255) | NN |
| JobDescription | NVARCHAR(MAX) | NN |
| RequiredSkills | | NVARCHAR(MAX) |
| EmploymentType | | NVARCHAR(50) |
| SalaryRange | | NVARCHAR(50) |
| Location | | NVARCHAR(255) |
| JobStatus | NVARCHAR(50) | NN |
| DatePosted | DATETIME | NN |
| ApplicationDeadline | | DATETIME |
| IsActive | BIT | NN |
| ExperienceLevel | | VARCHAR(50) |

**applications**
| ApplicationId | | INT |
|---|---|---|
| JobSeekerProfileId | INT | NN |
| JobId | INT | NN |
| ApplicationDate | DATETIME | NN |
| Status | NVARCHAR(50) | NN |
| ResumeUrl | | VARCHAR(255) |
| CoverLetter | | TEXT |
| SubmittedDate | DATETIME | NN |
| InterviewDate | | DATETIME |
| Feedback | | TEXT |

**interviews**
| InterviewId | | INT |
|---|---|---|
| ApplicationId | INT | NN |
| InterviewDate | DATETIME | NN |
| InterviewType | | VARCHAR(50) |
| InterviewLink | | VARCHAR(255) |
| InterviewLocation | | NVARCHAR(255) |
| InterviewFeedback | | TEXT |

**Job Seeker**
Module

**Flow**

- User registers using the registration as a job seeker
- Employee profile Updation
- Resume Upload
- Credentials Upload
- View Jobs
- Apply Job
- Applications Dashboard

**Employer**
Module

**Flow**

- Employee Dashboard
- Employee Profile Updation
- Applications Dashboard
- Review Application
- Company Details
- Interview Management

**Admin**
Module

## Flow

- Manage Employer
- Manage JobSeeker
- View Jobs
- View Application
- Admin Metrics

# Thank You

By Siddarth S