

# Talent Tribe

An online job portal

## 1. Users Table

**Description:** Stores information about users of the job portal, including job seekers, employers, and admins.

Column Name	Data Type	Description
UserId	INT (PK)	Unique identifier for each user.
Username	NVARCHAR(255)	Unique username for login.
PasswordHash	NVARCHAR(MAX)	Hashed password for authentication.
Role	NVARCHAR(50)	Role of the user ( <code>JobSeeker</code> , <code>Employer</code> , <code>Admin</code> ).
Email	NVARCHAR(255)	User's email address.
PhoneNumber	NVARCHAR(15)	Contact phone number of the user.
DateCreated	DATETIME	Date and time when the user account was created.
LastLogin	DATETIME	Timestamp of the user's last login.

## 2. JobSeekerProfiles Table

**Description:** Contains profile details for job seekers, including personal information, skills, experience, and resumes.

Column Name	Data Type	Description
JobSeekerProfileId	INT (PK)	Unique identifier for each job seeker profile.
UserId	INT (FK)	Foreign key referencing <code>Users(UserId)</code> .
FullName	NVARCHAR(255)	Full name of the job seeker.
Skills	NVARCHAR(MAX)	List of skills possessed by the job seeker.
Experience	NVARCHAR(MAX)	Work experience details.
Education	NVARCHAR(MAX)	Educational qualifications.
Address	NVARCHAR(255)	Home address of the job seeker.
City	NVARCHAR(100)	City of residence.
State	NVARCHAR(100)	State of residence.
Country	NVARCHAR(100)	Country of residence.
PostalCode	NVARCHAR(10)	Postal or ZIP code.
ResumeUrl	VARCHAR(255)	Path or URL to the job seeker's resume.

## 3. Credentials Table

**Description:** Stores information about certifications and credentials held by job seekers.

Column Name	Data Type	Description
CredentialId	INT (PK)	Unique identifier for each credential.
JobSeekerProfileId	INT (FK)	Foreign key referencing <code>JobSeekerProfiles(JobSeekerProfileId)</code> .
CredentialName	VARCHAR(150)	Name of the credential (e.g., "AWS Certified Developer").
CredentialUrl	VARCHAR(255)	URL to access the credential document.
IssuedBy	VARCHAR(150)	Organization that issued the credential.
IssueDate	DATETIME	Date when the credential was issued.
CredentialType	VARCHAR(50)	Type of credential (e.g., Certification, License, Degree).

## 4. Companies Table

**Description:** Contains details about companies that post jobs on the portal.

Column Name	Data Type	Description
CompanyId	INT (PK)	Unique identifier for each company.
CompanyName	NVARCHAR(255)	Name of the company.
CompanyDescription	NVARCHAR(MAX)	Description of the company.
Industry	NVARCHAR(255)	Industry in which the company operates.
Address	NVARCHAR(255)	Address of the company headquarters.
City	NVARCHAR(100)	City where the company is located.
State	NVARCHAR(100)	State where the company is located.
Country	NVARCHAR(100)	Country where the company is located.
PostalCode	NVARCHAR(10)	Postal or ZIP code of the company location.
WebsiteUrl	NVARCHAR(255)	Company's website URL.
ContactEmail	NVARCHAR(255)	Contact email address for the company.
ContactPhone	NVARCHAR(15)	Contact phone number for the company.

## 5. EmployerProfiles Table

**Description:** Stores profile details for employers, including company affiliation and representative information.

Column Name	Data Type	Description
EmployerProfileId	INT (PK)	Unique identifier for each employer profile.
UserId	INT (FK)	Foreign key referencing <code>Users(UserId)</code> .
CompanyId	INT (FK)	Foreign key referencing <code>Companies(CompanyId)</code> .
FullName	NVARCHAR(255)	Full name of the employer representative.
PositionTitle	NVARCHAR(255)	Job title or position of the representative.
Department	NVARCHAR(255)	Department where the representative works.
WorkEmail	NVARCHAR(255)	Work email address of the representative.
WorkPhone	NVARCHAR(15)	Work phone number of the representative.
DateJoined	DATETIME	Date when the representative joined the company.

## 6. Jobs Table

**Description:** Contains details about job postings made by employers.

Column Name	Data Type	Description
JobId	INT (PK)	Unique identifier for each job posting.
EmployerProfileId	INT (FK)	Foreign key referencing <code>EmployerProfiles(EmployerProfileId)</code> .
JobTitle	NVARCHAR(255)	Title of the job position.
JobDescription	NVARCHAR(MAX)	Detailed description of the job.
RequiredSkills	NVARCHAR(MAX)	Skills required for the job.
EmploymentType	NVARCHAR(50)	Type of employment (e.g., <code>Full-Time</code> , <code>Part-Time</code> ).
SalaryRange	NVARCHAR(50)	Salary range for the position.
Location	NVARCHAR(255)	Location of the job.
JobStatus	NVARCHAR(50)	Status of the job posting ( <code>Open</code> , <code>Closed</code> ).
DatePosted	DATETIME	Date when the job was posted.
ApplicationDeadline	DATETIME	Deadline for job applications.
IsActive	BIT	Indicates if the job post is active (1 = Active, 0 = Inactive).
ExperienceLevel	VARCHAR(50)	Required experience level for the job (e.g., <code>Entry-Level</code> , <code>Mid-Level</code> ).

## 7. Applications Table

**Description:** Stores details of job applications submitted by job seekers.

Column Name	Data Type	Description
ApplicationId	INT (PK)	Unique identifier for each job application.
JobSeekerProfileId	INT (FK)	Foreign key referencing <code>JobSeekerProfiles(JobSeekerProfileId)</code> .
JobId	INT (FK)	Foreign key referencing <code>Jobs(JobId)</code> .
ApplicationDate	DATETIME	Date when the application was created.
Status	NVARCHAR(50)	Status of the application ( <code>Applied</code> , <code>Interview</code> , <code>Rejected</code> , <code>Hired</code> ).
ResumeUrl	VARCHAR(255)	URL to the submitted resume (if different from profile).
CoverLetter	TEXT	Optional cover letter submitted with the application.
SubmittedDate	DATETIME	Date when the application was submitted.
InterviewDate	DATETIME	Scheduled interview date (nullable).
Feedback	TEXT	Employer's feedback on the application.

## 8. Interviews Table

**Description:** Contains details about interviews scheduled for job applications.

Column Name	Data Type	Description
InterviewId	INT (PK)	Unique identifier for each interview.
ApplicationId	INT (FK)	Foreign key referencing <code>Applications(ApplicationId)</code> .
InterviewDate	DATETIME	Date and time of the interview.
InterviewType	VARCHAR(50)	Type of interview (e.g., <code>Onsite</code> , <code>Online</code> ).
InterviewLink	VARCHAR(255)	Link for online interview (if applicable).
InterviewLocation	NVARCHAR(255)	Location of the interview (if applicable).
InterviewFeedback	TEXT	Feedback after the interview.

## 9. Admin Table

**Description:** Contains information about administrative users who manage the portal.

Column Name	Data Type	Description
AdminId	INT (PK)	Unique identifier for each admin.
UserId	INT (FK)	Foreign key referencing <code>Users(UserId)</code> .
AdminRole	NVARCHAR(50)	Role or designation of the admin (e.g., <code>SuperAdmin</code> ).

## 10. Communication Table

**Description:** Handles direct messages and system notifications between users and system.

Column Name	Data Type	Description
CommunicationId	INT (PK)	Unique identifier for each communication entry.
SenderId	INT (FK)	Foreign key to <code>Users(UserId)</code> who sent the message or notification.
ReceiverId	INT (FK)	Foreign key to <code>Users(UserId)</code> who will receive the message or notification (nullable for system notifications).
Content	TEXT	Content of the message or notification.
CommunicationType	VARCHAR(50)	Type of communication (e.g., <code>Message</code> , <code>SystemNotification</code> ).
IsRead	BIT	Indicates whether the communication has been read (1 = Read, 0 = Unread).
CreatedDate	DATETIME	Timestamp of when the communication was created.

## 11. Job Search Logs Table

**Description:** Logs job search activities by job seekers for tracking and analytics.

Column Name	Data Type	Description
SearchLogId	INT (PK)	Unique identifier for each search log entry.
JobSeekerProfileId	INT (FK)	Foreign key referencing <code>JobSeekerProfiles(JobSeekerProfileId)</code> .
SearchQuery	NVARCHAR(MAX)	The search query or keywords used by the job seeker.
SearchDate	DATETIME	Date and time when the search was performed.
ResultsCount	INT	Number of job listings returned by the search.

## 12. Admin Dashboard Metrics Table

**Description:** Tracks key metrics for the admin dashboard, including user activity, job postings, and portal statistics.

Column Name	Data Type	Description
MetricId	INT (PK)	Unique identifier for each metric entry.
MetricName	NVARCHAR(255)	Name of the metric being tracked (e.g., <code>Total Users</code> , <code>Active Jobs</code> ).
MetricValue	INT	Value of the metric for the recorded time period.
MetricDate	DATETIME	Date and time when the metric was recorded.

## 13. Reports Table

**Description:** Stores generated reports that can be viewed or downloaded by the admin for analysis.

Column Name	Data Type	Description
ReportId	INT (PK)	Unique identifier for each report.
ReportType	NVARCHAR(255)	Type of report (e.g., <code>UserActivity</code> , <code>JobTrends</code> , <code>PortalUsage</code> ).
ReportContent	NVARCHAR(MAX)	Content of the report (either raw data or a link to a downloadable file).
GeneratedBy	INT (FK)	Foreign key referencing <code>Admin(AdminId)</code> who generated the report.
GeneratedDate	DATETIME	Date and time when the report was generated.

## 14. Audit Logs Table

**Description:** Records actions taken by admins for auditing and tracking purposes.

Column Name	Data Type	Description
AuditLogId	INT (PK)	Unique identifier for each audit log entry.
AdminId	INT (FK)	Foreign key referencing <code>Admin(AdminId)</code> who performed the action.
Action	NVARCHAR(255)	The action taken by the admin (e.g., <code>User Deleted</code> , <code>Job Approved</code> ).
TargetEntity	NVARCHAR(255)	The entity affected by the action (e.g., <code>User</code> , <code>Job</code> ).
TargetEntityId	INT	The ID of the target entity affected by the action.
ActionDate	DATETIME	Date and time when the action was performed.