Recruitment project My   
  
CREATE TABLE skill (

id INT IDENTITY(1,1) PRIMARY KEY,

name VARCHAR(255) UNIQUE NOT NULL

);  
  
  
CREATE TABLE job\_position (

id INT IDENTITY(1,1) PRIMARY KEY,

title VARCHAR(255) NOT NULL,

description TEXT,

min\_experience INT,

status VARCHAR(50) CHECK (status IN ('open', 'on\_hold', 'closed')),

closure\_reason TEXT,

created\_at DATETIME DEFAULT GETDATE(),

updated\_at DATETIME DEFAULT GETDATE()

);

-- job\_skill table

CREATE TABLE job\_skill (

id int identity PRIMARY KEY,

job\_id INT REFERENCES job\_position(id) ON DELETE CASCADE,

skill\_id INT REFERENCES skill(id) ON DELETE CASCADE,

type VARCHAR(50) CHECK (type IN ('required', 'preferred'))

);

-- Insert skill with ID 1

INSERT INTO skill (name)

VALUES ('JavaScript');

-- Insert skill with ID 2

INSERT INTO skill (name)

VALUES ('Python');

CREATE TABLE candidate\_skill (

id INT PRIMARY KEY IDENTITY(1,1), -- Auto-incrementing primary key

candidate\_id INT NOT NULL,

skill\_id INT NOT NULL,

FOREIGN KEY (candidate\_id) REFERENCES candidate(id) ON DELETE CASCADE,

FOREIGN KEY (skill\_id) REFERENCES skill(id) ON DELETE CASCADE

);

ALTER TABLE candidate\_skill ADD experience\_skill INT NULL;

CREATE TABLE candidate (

id INT PRIMARY KEY IDENTITY(1,1), -- Auto-incrementing primary key

name NVARCHAR(255) NOT NULL,

email NVARCHAR(255) NOT NULL UNIQUE,

phone NVARCHAR(20),

experience INT,

cv\_filepath NVARCHAR(255) -- Stores file path of the candidate's CV

);

ALTER TABLE candidate ADD document NVARCHAR(255) NULL;

CREATE TABLE employee (

id INT IDENTITY(1,1) PRIMARY KEY,

name VARCHAR(255) NOT NULL,

email VARCHAR(255) UNIQUE NOT NULL,

role VARCHAR(50) NOT NULL

);

ALTER TABLE employee

ADD designation VARCHAR(100) NOT NULL DEFAULT 'Unknown';

CREATE TABLE resume\_screening (

id INT IDENTITY(1,1) PRIMARY KEY,

job\_id INT NOT NULL,

candidate\_id INT NOT NULL,

reviewer\_id INT NULL,

comments TEXT NULL,

status VARCHAR(50) NOT NULL,

screened\_at DATETIME DEFAULT GETDATE(),

CONSTRAINT fk\_resume\_screening\_job FOREIGN KEY (job\_id) REFERENCES job\_position(id),

CONSTRAINT fk\_resume\_screening\_candidate FOREIGN KEY (candidate\_id) REFERENCES candidate(id),

CONSTRAINT fk\_resume\_screening\_reviewer FOREIGN KEY (reviewer\_id) REFERENCES employee(id)

);  
ALTER TABLE resume\_screening

ADD total\_rounds INT NULL;

ALTER TABLE resume\_screening ADD interviewer\_ids VARCHAR(255) NULL;

ALTER TABLE resume\_screening

ADD additional\_comments NVARCHAR(MAX);

CREATE TABLE resume\_screening\_skill\_rating (

id INT IDENTITY(1,1) PRIMARY KEY,

screening\_id INT NOT NULL,

skill\_id INT NOT NULL,

rating INT NULL,

additional\_comments NVARCHAR(MAX) NULL,

CONSTRAINT fk\_screening\_skill\_screening FOREIGN KEY (screening\_id) REFERENCES resume\_screening(id) ON DELETE CASCADE,

CONSTRAINT fk\_screening\_skill\_skill FOREIGN KEY (skill\_id) REFERENCES skill(id) ON DELETE CASCADE

);