Normalized Database Schema (3NF)

SQL Schema:

1. User (
user_id INT PRIMARY KEY AUTO_INCREMENT,
user_name VARCHAR(100),
email VARCHAR(150) UNIQUE,
password VARCHAR(255),
skills TEXT
)

2. Company (
company_id INT PRIMARY KEY AUTO_INCREMENT,
company_reg_num VARCHAR(50) UNIQUE,
company_name VARCHAR(150),
company_address VARCHAR(255),
phone VARCHAR(20),
email VARCHAR(150) UNIQUE,
company_category VARCHAR(100),
company_logo VARCHAR(255)
)

3. Job_Post (
job_id INT PRIMARY KEY AUTO_INCREMENT,
job_title VARCHAR(150),
job_description TEXT,
location VARCHAR(100),
salary DECIMAL(10,2),
experience VARCHAR(100),
company_id INT REFERENCES Company(company_id)
)

4. Application (
application_id INT PRIMARY KEY AUTO_INCREMENT,
user_id INT REFERENCES User(user_id),
job_id INT REFERENCES Job_Post(job_id),
first_name VARCHAR(100),
last_name VARCHAR(100),
gender VARCHAR(20),
DOB DATE,
email VARCHAR(150),
address VARCHAR(255),
city VARCHAR(100),
education TEXT,
experience TEXT,
certificate VARCHAR(255),
cv VARCHAR(255),
status VARCHAR(50),
looking_for VARCHAR(100)
)

5. Review (

review_id INT PRIMARY KEY AUTO_INCREMENT,
user_id INT REFERENCES User(user_id),
job_id INT REFERENCES Job_Post(job_id),
review_text TEXT,
rating INT
)

6. Message (
message_id INT PRIMARY KEY AUTO_INCREMENT,
sender_id INT REFERENCES User(user_id),
receiver_id INT REFERENCES User(user_id),
subject VARCHAR(200),
content TEXT,
date_sent DATETIME,
status ENUM('Read','Unread')
)

7. Notice (
notice_id INT PRIMARY KEY AUTO_INCREMENT,
title VARCHAR(150),
description TEXT,
date_posted DATE,
expiry_date DATE,
posted_by INT REFERENCES Company(company_id)
)

8. Report (
report_id INT PRIMARY KEY AUTO_INCREMENT,
job_id INT REFERENCES Job_Post(job_id),
report_content TEXT,
created_at DATETIME
)

Relational Schema Diagram: