

Django Job Portal – Practical Interview Question

Job Portal Web Application using Django Forms (Deployed on PythonAnywhere)

Question

Build a **Job Portal Web Application** using Django where:

◆ 1. User Roles

- There are two types of users:
 - **Recruiter**
 - **Job Seeker**

Use Django's built-in User model and extend it using a Profile model.

◆ 2. Features to Implement

Job Seeker

- Register & Login
- Create Profile (Skills, Experience, Resume upload)
- View all available jobs
- Apply for jobs using a Django Form

- View applied jobs

Recruiter

- Register & Login
- Post a Job using Django ModelForm
- View applicants for their job posts
- Delete/Edit job posts

◆ 3. Models Required

Create the following models:

1. Profile

- user (OneToOneField)
- role (Recruiter / Job Seeker)
- skills
- experience
- resume (FileField)

- description
- salary
- location
- posted_by (ForeignKey – Recruiter)
- created_at

2. Job

- title
- company_name

3. Application

- job (ForeignKey)
- applicant (ForeignKey – Job Seeker)
- cover_letter
- applied_on

◆ 4. Forms (Use Django Forms)

Create:

- UserRegisterForm
- ProfileForm
- JobForm (ModelForm)
- ApplicationForm (ModelForm)

◆ 5. Views to Implement

- Home Page (List of Jobs)
- Register / Login
- Create Job (Recruiter only)
- Apply Job (Job Seeker only)
- View Applicants

- Dashboard (Role-based access)

Use:

- Function-Based Views or Class-Based Views
- login_required
- Role-based authorization