

## Django Job Portal – Practical Interview Question

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

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#### 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.

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#### ◆ 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

##### Recruiter

- View applied jobs
  - Register & Login
  - Post a Job using Django ModelForm
  - View applicants for their job posts
  - Delete/Edit job posts
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#### ◆ 3. Models Required

Create the following models:

##### 1. Profile

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

##### 2. Job

- title
- company\_name

- description
- salary
- location
- posted\_by (ForeignKey – Recruiter)
- created\_at

##### 3. Application

- job (ForeignKey)
  - applicant (ForeignKey – Job Seeker)
  - cover\_letter
  - applied\_on
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#### ◆ 4. Forms (Use Django Forms)

Create:

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