

# Entities, Attributes, & Relationships

## 1. User

- user\_id (PK)
  - name
  - email (unique)
  - password\_hash
  - role (job\_seeker / admin)
  - created\_at
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## 2. Resume (for job seekers)

- resume\_id (PK)
  - user\_id (FK → User)
  - resume\_text (AI-generated or uploaded)
  - skills
  - experience
  - education
  - created\_at
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### 3. Job

- job\_id (PK)
  - title
  - description
  - location
  - salary\_range
  - created\_at
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### 4. Application

- application\_id (PK)
  - job\_id (FK → Job)
  - user\_id (FK → User where role=job\_seeker)
  - resume\_id (FK → Resume)
  - status (pending / accepted / rejected)
  - applied\_at
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### 5. ChatHistory

- chat\_id (PK)
  - user\_id (FK → User)
  - message
  - role (user / assistant)
  - timestamp
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## Relationships

- **User ↔ Resume** → One-to-Many (a user can have multiple resumes).
- **User ↔ Application** → One-to-Many (a seeker can apply to many jobs).
- **Job ↔ Application** → One-to-Many (a job can have many applicants).
- **User ↔ ChatHistory** → One-to-Many (each user has multiple chat logs).



## Entity-Relationship Diagram

