// Job Portal Management System ERD

Table User {

  user\_id int [pk, increment]

  name varchar

  email varchar [unique, not null]

  password\_hash varchar [not null]

  role varchar // admin, employer, job\_seeker

  is\_active boolean [default: true]

  created\_at datetime

  updated\_at datetime

}

Table Employer {

  employer\_id int [pk, increment]

  user\_id int [ref: > User.user\_id]

  company\_name varchar

  address varchar

  website varchar

  contact\_number varchar

  logo varchar

  is\_verified boolean [default: false]

  created\_at datetime

  updated\_at datetime

}

Table Job\_Seeker\_Profile {

  seeker\_id int [pk, increment]

  user\_id int [ref: > User.user\_id]

  resume varchar

  bio text

  skills text

  experience\_years int

  education text

  profile\_photo varchar

  created\_at datetime

  updated\_at datetime

}

Table Job\_Category {

  category\_id int [pk, increment]

  name varchar

  description text

  is\_active boolean

}

Table Job\_Location {

  location\_id int [pk, increment]

  city varchar

  state varchar

  country varchar

  postal\_code varchar

}

Table Job {

  job\_id int [pk, increment]

  employer\_id int [ref: > Employer.employer\_id]

  category\_id int [ref: > Job\_Category.category\_id]

  location\_id int [ref: > Job\_Location.location\_id]

  title varchar

  description text

  job\_type varchar // full-time, part-time, contract

  salary\_min decimal

  salary\_max decimal

  posted\_date datetime

  application\_deadline datetime

  num\_vacancies int

  status varchar // open, closed, paused

}

Table Application {

  application\_id int [pk, increment]

  job\_id int [ref: > Job.job\_id]

  seeker\_id int [ref: > Job\_Seeker\_Profile.seeker\_id]

  applied\_date datetime

  status varchar // pending, reviewed, accepted, rejected

  resume\_submitted varchar

  cover\_letter text

  created\_at datetime

  updated\_at datetime

}

Table Interview {

  interview\_id int [pk, increment]

  application\_id int [ref: > Application.application\_id]

  scheduled\_date datetime

  mode varchar // online, onsite

  interviewer\_details text

  result varchar // pass, fail, pending

  notes text

}

Table Skill {

  skill\_id int [pk, increment]

  name varchar

}

Table Seeker\_Skill {

  seeker\_id int [ref: > Job\_Seeker\_Profile.seeker\_id]

  skill\_id int [ref: > Skill.skill\_id]

  primary key (seeker\_id, skill\_id)

}

Table Employer\_Package {

  package\_id int [pk, increment]

  employer\_id int [ref: > Employer.employer\_id]

  name varchar

  price decimal

  duration\_days int

  features text

  start\_date datetime

  end\_date datetime

  status varchar

}

Table Notification {

  notification\_id int [pk, increment]

  user\_id int [ref: > User.user\_id]

  type varchar

  message text

  is\_read boolean [default: false]

  created\_at datetime

}

Ref: "Job"."job\_type" < "Job"."salary\_max"

Ref: "Job\_Seeker\_Profile"."seeker\_id" < "Job\_Seeker\_Profile"."bio"