

Design database Job Marketplace



Agenda

- 
-
- 1 CREATE TABLE**
 - 2 PROBLEM TOP DOWN APPROACH**
 - 3 USER INTERFACE**
 - 4 LESSONS LEARNED**
-



Create table

- ▶ Create table using SQL

CREATE TABLE

```
table category {  
    category_id int [pk, increment]  
    category_icon image  
    category_name varchar  
    job_id int [ref: < job.job_id]  
}
```



category	category_id	int
category	category_icon	image
category	category_name	varchar
job	job_id	int

```
// create table job  
table job {  
    job_id int [pk, increment]  
    recruiter_id int [ref: > recruiter.recruiter_id]  
    company_id int [ref: > company.company_id]  
    job_name varchar  
    salary_min decimal  
    salary_max decimal  
    address varchar  
    location_id int [ref: <>location.location_id]  
    job_type varchar  
    job_decription varchar  
    job_responsibilities varchar  
}
```



job	job_id	int
job	recruiter_id	int
job	company_id	int
job	job_name	varchar
job	salary_min	decimal
job	salary_max	decimal
job	address	varchar
job	location_id	int
job	job_type	varchar
job	job_decription	varchar
job	job_responsibilities	varchar

```
// create table recruiter
table recruiter {
    recruiter_id int [pk, increment]
    recruiter_name varchar
    recruiter_level varchar
}
```



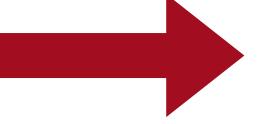
recruiter	
recruiter_id	int
recruiter_name	varchar
recruiter_level	varchar

```
// create table company
table company {
    company_id int [pk, increment]
    rating_id int [ref: < rating.rating_id]
    preview_id int [ref: < preview.preview_id]
    company_name varchar
    website varchar
    company_description varchar
    company_type varchar
    quantity_member int
    week_working timestamp
    location_id int [ref: > location.location_id]
    about_us varchar
    why_choosing varchar
    life_at image
}
```



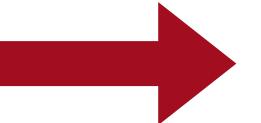
company	
company_id	int
rating_id	int
preview_id	int
company_name	varchar
website	varchar
company_description	varchar
company_type	varchar
quantity_member	int
week_working	timestamp
location_id	int
about_us	varchar
why_choosing	varchar
life_at	image

```
// create table rating
table rating {
    rating_id int [pk, increment]
    star double
    compensation double
    career_development double
    culture double
    workspace double
}
```



rating	
rating_id	int
star	double
compensation	double
career_development	double
culture	double
workspace	double

```
// create table candidates
table candidates {
    candidates_id int [pk, increment]
    avatar image
    candidates_name varchar
    profile_link varchar
    about varchar
    live varchar [ref: > location.location_id]
    jobAt_id int [ref: - jobAt.jobAt_id]
    skill_id int [ref: < skill.skill_id]
    education_id int [ref: <> education.education_id]
    experience_id int [ref: <> experience.experience_id]
}
```



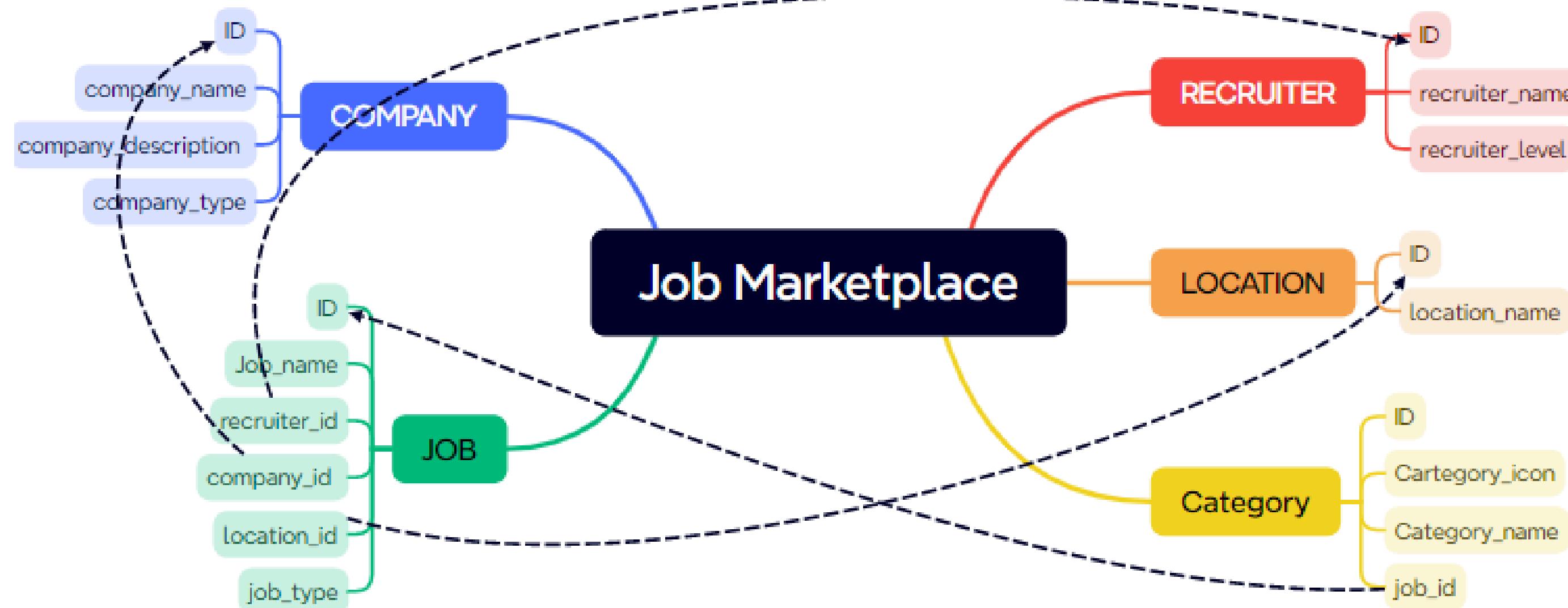
candidates	
candidates_id	int
avatar	image
candidates_name	varchar
profile_link	varchar
about	varchar
live	varchar
jobAt_id	int
skill_id	int
education_id	int
experience_id	int



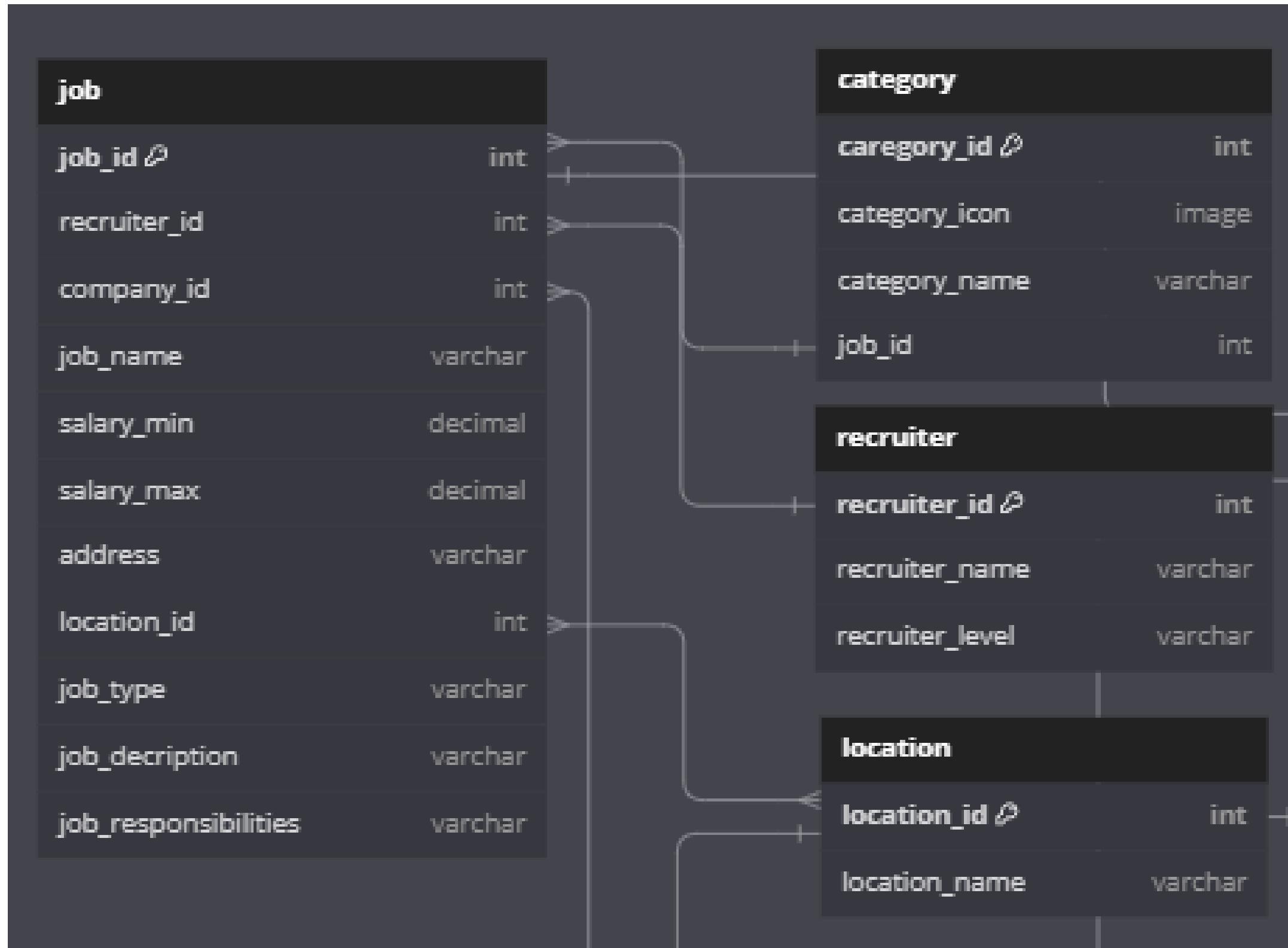
PROBLEM TOP DOWN APPROACH

- ▶ Relationships between tables in the database

PROBLEM TOP DOWN APPROACH

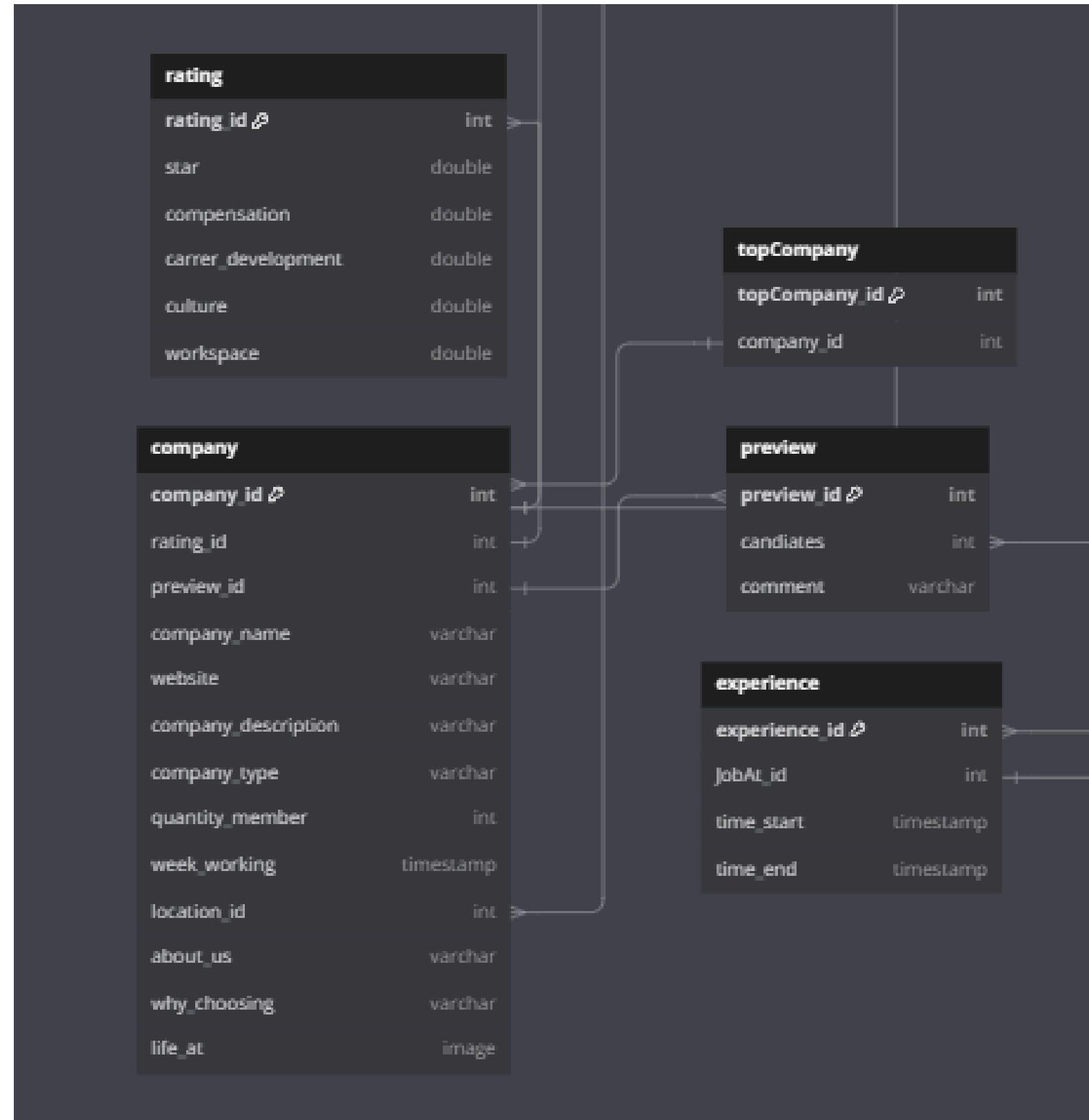


PROBLEM TOP DOWN APPROACH

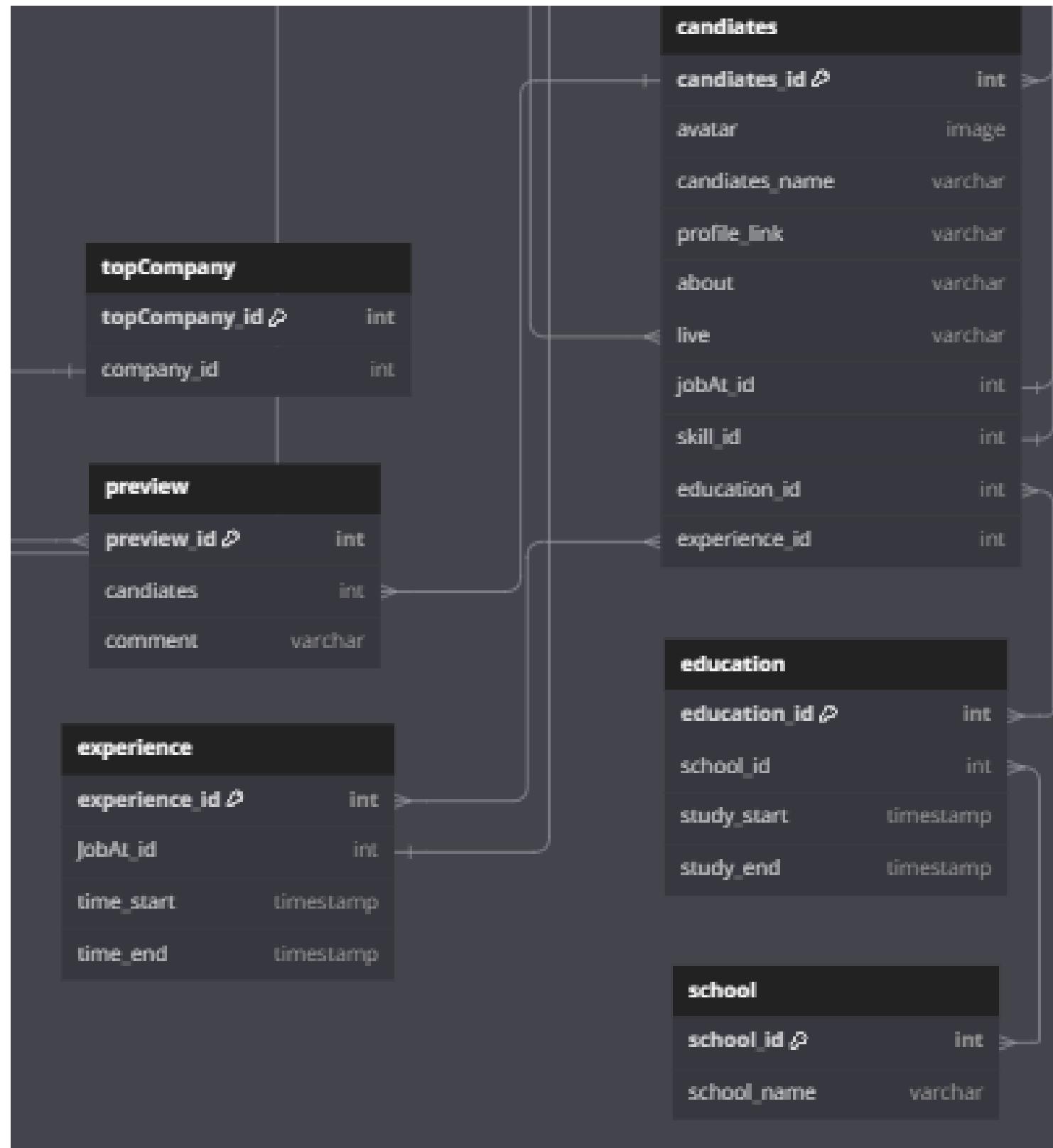


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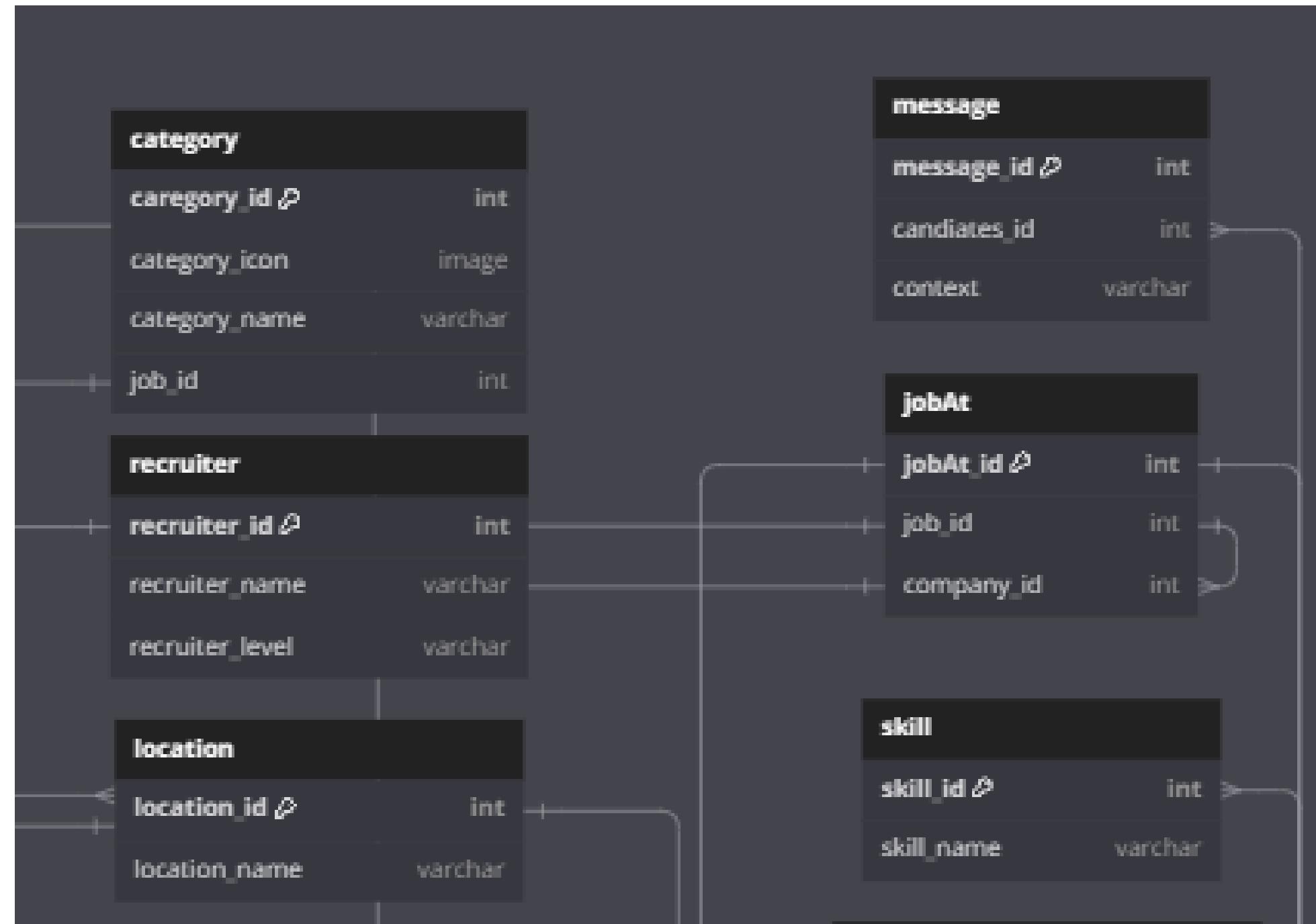


PROBLEM TOP DOWN APPROACH



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PROBLEM TOP DOWN APPROACH





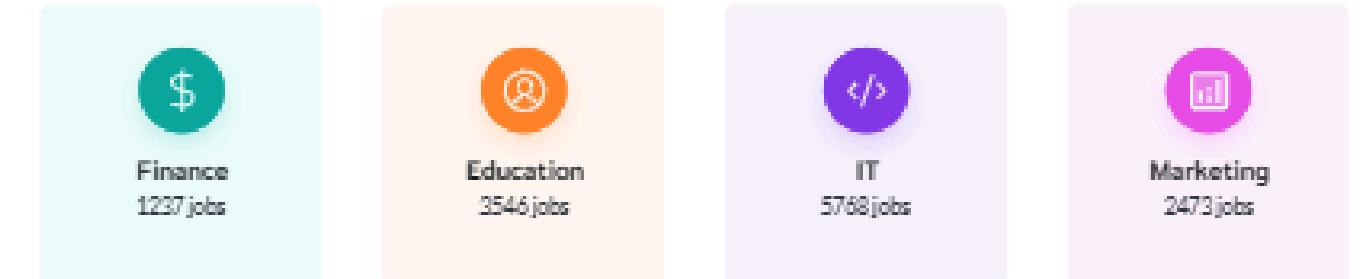
User interface

▶ UI page

Job Listing Page home

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- | Job Title | Salary Range | Company | Location | Contract Type |
|-------------------|-----------------|------------|---------------|---------------|
| UI / UX Designer | \$95K - \$120K | Laborum | Tucson, AZ | Onsite |
| C# Developer | \$110K - \$120K | Pariatur | Columbus, OH | Hybrid |
| ReactJS Developer | \$110K - \$120K | Aliq | Tulsa, OK | Remote |
| UI / UX Designer | \$95K - \$120K | Deserunt | Santa Ana, CA | Onsite |
| IT Director | \$130K - \$140K | Laboru | Austin, TX | Hybrid |
| Product Manager | \$110K - \$120K | Esse Lorem | Wichita, KS | Remote |

Search results jobs Page

UI / UX Designer ... Save Apply Now

\$95K - \$120K Posted 1h ago

Laborum | Tucson, AZ

Mid-Senior level Full-time Remote

Contact recruiter

Romy Murray Job poster
Hiring Manager Message

Job Description
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Responsibilities

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- ④ Nibh dictumst vulputate odio pellentesque sit quis ac, sit ipsum.

About company View company profile

LABORUM COMPANY

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Outsource ④ 100 - 300 employees

Tucson, AZ 📅 Mon - Fri

Company profile Page



LABORUM Top IT company

Software development

 [laborum.com](#)  Tucson, AZ  100 - 300 employees  Hybrid  Monday - Friday  No OT

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About us

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Why choosing us

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Overall Rating

4.8/5 

Compensation 

Career development 

Culture 

Workspace 

Preview

 Jay Rutherford 3d ago 
The compensation & benefit are amazing 

 Anna 3d ago 
It's a high growth company & an amazing workplace in term of culture, mission and interesting work.

Candidates Listing Page

LOGO

Home All Jobs Companies People Career Advices

Message Bell

Search Candidates

Search Filter Clear filters

Q Designer Location Experience level Industry Company type

32 results for 'Designer'



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UX Research, UI Design, Web Design

Sent message Connect



Nulla Culp
New York | UI Designer at Quis Company
UX Research, UI Design, Web Design

Sent message Connect



Anna Jones
New York | UI Designer at Labo Company
UX Research, UI Design, Web Design

Sent message Connect



Gabriel Thomas Open for work
New York | UI Designer at Lora Company
UX Research, UI Design, Web Design

Sent message Connect



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Get started

Candidates Professional Profile Page



Jay Rutherford
UX/UI Designer

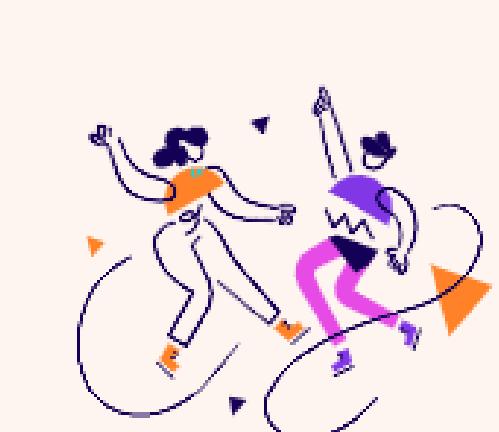
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UX Research UI Design Web Design

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Working Experience

 Senior UX/UI Designer Working

Fulltime | ByteDance | Jan 2021 - Present · 1yr 7mos

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 Junior UX/UI Designer See more

Fulltime | ConocoPhillips | Aug 2018 - Nov 2020 · 2 yrs 4 mos

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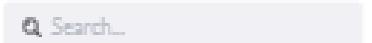
 UX/UI Designer See more

Fulltime | Brex | Jun 2017 - May 2018 · 1yr

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	Jevon Raynor	Velit amet anim ad deserunt	Sun
	Selina Rutherford	Duis pariatur in nostrud mollit	Fri
	Emelia Rowe	Culpa culpa id voluptate ad elit	Nov 4
	Frank Sinat	Quis proident deserunt aliqua ex	Nov 3
	James Smith	Anim labore consectetur officia in	Nov 1
	Fiona Jackson	Sint autem nisi irure exercitation vol	Sep 23
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Romy Murray  Active now   

Today 

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 CV - Jay Rutherford.pdf 120 kB 2:17 PM

 Audio call ended 02:10 2:12 PM

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Hiring Manager
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File (2) 
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 CV - Jay Rutherford.pdf 120 kB



LESSONS LEARNED

1 - Break down problems from complex to simple.

2 - relationships between tables in the database

3 - Practice designing a database

4 - Use SQL to query data and optimize data
