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| --- |
| create table company\_table (    -- Company Information    company\_id uuid default gen\_random\_uuid() primary key,    company\_name text not null,    company\_website text,    company\_type text,    company\_linkedin\_profile text,    company\_location\_city text,    company\_location\_country text,    office\_pin\_code text check (char\_length(office\_pin\_code) = 6),    last\_modified\_by uuid,    last\_modified\_at timestamp default now()  );  create table seeker\_table (    -- Personal Information    seeker\_id uuid default gen\_random\_uuid() primary key,    first\_name text not null,    last\_name text not null,    age int check (age >= 15 and age <= 100),    email text unique not null,    phone\_number text unique check (char\_length(phone\_number) = 10) not null,    password\_hash text not null, -- Removed unique constraint    gender text check (gender IN ('Male', 'Female', 'Other')),    is\_job\_seeker boolean default true,    about\_me text,    user\_type text check (user\_type IN ('seeker')) not null default 'seeker',      -- Educational Details    university\_name text,    college\_name text,    specialization text,    degree\_name text,    passing\_year int,    grade\_obtained text,    certification\_list text[],    -- Experience Details    years\_of\_experience int check (years\_of\_experience >= 0),    previous\_company text,    previous\_job\_role text,    skills text[], -- Changed to text[]      -- Social Media Profiles    seeker\_linkedin\_profile text,    -- Address Details    city\_name text,    country\_name text,    pin\_code text check (char\_length(pin\_code) = 6),    -- Resume Field    resume text  -- This could store the resume URL or file path in Supabase  );  create table hr\_table (    -- Personal Information    hr\_id uuid default gen\_random\_uuid() primary key,    first\_name text not null,    last\_name text not null,    age int check (age >= 15 and age <= 100),    email text unique not null,    phone\_number text unique check (char\_length(phone\_number) = 10) not null,    password\_hash text not null, -- Removed unique constraint    gender text check (gender IN ('Male', 'Female', 'Other')),    about\_me text,    user\_type text check (user\_type IN ('hr')) not null default 'hr',      -- Educational Details    university\_name text,    college\_name text,    specialization text,    degree\_name text,      -- Professional Details    company\_id uuid not null,    role text not null,    department text,    years\_of\_experience int check (years\_of\_experience >= 0),    skills text[], -- Changed to text[]    total\_jobs\_posted int default 0,      -- Social Media Profiles    hr\_linkedin\_profile text,      -- Foreign Key    constraint fk\_company\_id foreign key (company\_id) references company\_table(company\_id) on delete cascade  );  create table jobs\_table (    -- Job Details    job\_id uuid default gen\_random\_uuid() primary key,    hr\_id uuid not null,    company\_id uuid not null,    job\_title text not null,    role text not null,    number\_of\_vacancies int check (number\_of\_vacancies > 0),    total\_applied int default 0,    remaining\_vacancies int generated always as (number\_of\_vacancies - total\_applied) stored,    date\_posted timestamp default now(),    date\_edited timestamp,    date\_deleted timestamp,    skills text[], -- Changed to text[]    job\_description text,    job\_view\_count int default 0,    job\_type text check (job\_type IN ('Remote', 'Hybrid', 'On-site')) not null,    salary text,    employment\_type text check (employment\_type IN ('Full-time', 'Part-time', 'Contract', 'Internship', 'Freelance')) not null,      -- Foreign Keys    constraint fk\_hr\_id foreign key (hr\_id) references hr\_table(hr\_id) on delete cascade,    constraint fk\_company\_id foreign key (company\_id) references company\_table(company\_id) on delete cascade  );  create table applied\_jobs (    -- Applied Jobs Details    application\_id uuid default gen\_random\_uuid() primary key,    job\_id uuid not null,    seeker\_id uuid not null,    applied\_at timestamp default now(),    application\_status text check (application\_status IN ('Applied', 'Reviewed', 'Shortlisted', 'Rejected', 'Hired')) default 'Applied',    seeker\_skills text[], -- Changed to text[]    seeker\_resume text,      -- Foreign Keys    constraint fk\_job\_id foreign key (job\_id) references jobs\_table(job\_id) on delete cascade,    constraint fk\_seeker\_id foreign key (seeker\_id) references seeker\_table(seeker\_id) on delete cascade  );  create table saved\_jobs (    -- Saved Jobs Details    saved\_id uuid default gen\_random\_uuid() primary key,    job\_id uuid not null,    seeker\_id uuid not null,    saved\_at timestamp default now(),      -- Foreign Keys    constraint fk\_saved\_job\_id foreign key (job\_id) references jobs\_table(job\_id) on delete cascade,    constraint fk\_saved\_seeker\_id foreign key (seeker\_id) references seeker\_table(seeker\_id) on delete cascade  );  create table company\_modification\_log (    log\_id uuid default gen\_random\_uuid() primary key,    company\_id uuid not null,    modified\_by uuid not null,    modified\_at timestamp default now(),    old\_values jsonb,    new\_values jsonb,    -- Foreign Keys    constraint fk\_company foreign key (company\_id) references company\_table(company\_id) on delete cascade,    constraint fk\_modified\_by foreign key (modified\_by) references hr\_table(hr\_id) on delete set null  );  create table login\_table (    -- Login Information    email text unique not null,    password\_hash text not null,    profile\_type text not null,      -- Foreign Keys    constraint fk\_seeker\_email foreign key (email) references seeker\_table(email) on delete cascade,    constraint fk\_hr\_email foreign key (email) references hr\_table(email) on delete cascade,      -- Profile Type Check (ensuring it is either 'seeker' or 'hr')    constraint chk\_profile\_type check (profile\_type IN ('seeker', 'hr'))  ); 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Dummy data

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| -- Insert into company\_table  INSERT INTO company\_table (company\_name, company\_website, company\_type, company\_linkedin\_profile, company\_location\_city, company\_location\_country, office\_pin\_code)  VALUES  ('Tata Consultancy Services', 'https://www.tcs.com', 'IT Services', 'https://www.linkedin.com/company/tcs/', 'Mumbai', 'India', '400001'),  ('Infosys', 'https://www.infosys.com', 'IT Services', 'https://www.linkedin.com/company/infosys/', 'Bangalore', 'India', '560001'),  ('Wipro', 'https://www.wipro.com', 'IT Services', 'https://www.linkedin.com/company/wipro/', 'Bangalore', 'India', '560002'),  ('HCL Technologies', 'https://www.hcltech.com', 'IT Services', 'https://www.linkedin.com/company/hcltech/', 'Noida', 'India', '201301'),  ('Reliance Industries', 'https://www.ril.com', 'Conglomerate', 'https://www.linkedin.com/company/reliance/', 'Mumbai', 'India', '400002');  -- Insert into seeker\_table  INSERT INTO seeker\_table (first\_name, last\_name, age, email, phone\_number, password\_hash, gender, university\_name, specialization, skills, certification\_list)  VALUES  ('Rohan', 'Sharma', 25, 'rohan.sharma@example.com', '9876543210', 'hash1', 'Male', 'IIT Bombay', 'Computer Science', ARRAY['Java', 'Python', 'SQL'], ARRAY['AWS Certified', 'Data Science']),  ('Ananya', 'Verma', 27, 'ananya.verma@example.com', '9876543211', 'hash2', 'Female', 'IIT Delhi', 'Electronics', ARRAY['C++', 'Machine Learning', 'Cloud Computing'], ARRAY['Azure Certified']),  ('Vikram', 'Patel', 30, 'vikram.patel@example.com', '9876543212', 'hash3', 'Male', 'NIT Trichy', 'Information Technology', ARRAY['ReactJS', 'NodeJS', 'PostgreSQL'], ARRAY['Full Stack Developer']),  ('Pooja', 'Reddy', 26, 'pooja.reddy@example.com', '9876543213', 'hash4', 'Female', 'BITS Pilani', 'Data Science', ARRAY['Python', 'R', 'TensorFlow'], ARRAY['Deep Learning Specialist']),  ('Amit', 'Mishra', 29, 'amit.mishra@example.com', '9876543214', 'hash5', 'Male', 'IIM Bangalore', 'Business Analytics', ARRAY['Excel', 'Power BI', 'SQL'], ARRAY['Tableau Expert']);  -- Insert into hr\_table  INSERT INTO hr\_table (first\_name, last\_name, age, email, phone\_number, password\_hash, gender, company\_id, role, department, skills)  VALUES  ('Suresh', 'Rao', 40, 'suresh.rao@tcs.com', '9876500001', 'hash6', 'Male', (SELECT company\_id FROM company\_table WHERE company\_name='Tata Consultancy Services'), 'HR Manager', 'Recruitment', ARRAY['Hiring', 'Talent Acquisition']),  ('Neha', 'Singh', 35, 'neha.singh@infosys.com', '9876500002', 'hash7', 'Female', (SELECT company\_id FROM company\_table WHERE company\_name='Infosys'), 'HR Specialist', 'Onboarding', ARRAY['Communication', 'Employee Relations']),  ('Rajiv', 'Kapoor', 38, 'rajiv.kapoor@wipro.com', '9876500003', 'hash8', 'Male', (SELECT company\_id FROM company\_table WHERE company\_name='Wipro'), 'Senior HR', 'Performance Management', ARRAY['Training', 'Policy Making']),  ('Priya', 'Mehta', 34, 'priya.mehta@hcl.com', '9876500004', 'hash9', 'Female', (SELECT company\_id FROM company\_table WHERE company\_name='HCL Technologies'), 'HR Lead', 'Employee Engagement', ARRAY['Leadership', 'HR Tech']),  ('Arun', 'Gupta', 42, 'arun.gupta@reliance.com', '9876500005', 'hash10', 'Male', (SELECT company\_id FROM company\_table WHERE company\_name='Reliance Industries'), 'HR Director', 'Strategic HR', ARRAY['Leadership', 'Strategy']);  -- Insert into jobs\_table  INSERT INTO jobs\_table (hr\_id, company\_id, job\_title, role, number\_of\_vacancies, skills, job\_description, job\_type, salary, employment\_type)  VALUES  ((SELECT hr\_id FROM hr\_table WHERE email='suresh.rao@tcs.com'), (SELECT company\_id FROM company\_table WHERE company\_name='Tata Consultancy Services'), 'Software Engineer', 'Developer', 10, ARRAY['Java', 'Spring Boot'], 'Looking for Java Developers', 'Hybrid', '10-15 LPA', 'Full-time'),  ((SELECT hr\_id FROM hr\_table WHERE email='neha.singh@infosys.com'), (SELECT company\_id FROM company\_table WHERE company\_name='Infosys'), 'Data Scientist', 'Analyst', 5, ARRAY['Python', 'Machine Learning'], 'AI and ML-based roles', 'Remote', '12-18 LPA', 'Full-time'),  ((SELECT hr\_id FROM hr\_table WHERE email='rajiv.kapoor@wipro.com'), (SELECT company\_id FROM company\_table WHERE company\_name='Wipro'), 'Cloud Engineer', 'DevOps', 7, ARRAY['AWS', 'Kubernetes'], 'Cloud computing experts needed', 'On-site', '15-20 LPA', 'Full-time'),  ((SELECT hr\_id FROM hr\_table WHERE email='priya.mehta@hcl.com'), (SELECT company\_id FROM company\_table WHERE company\_name='HCL Technologies'), 'Business Analyst', 'Consultant', 3, ARRAY['Excel', 'Power BI'], 'Analysts for Business Strategy', 'Hybrid', '8-12 LPA', 'Contract'),  ((SELECT hr\_id FROM hr\_table WHERE email='arun.gupta@reliance.com'), (SELECT company\_id FROM company\_table WHERE company\_name='Reliance Industries'), 'Marketing Specialist', 'Marketing', 4, ARRAY['SEO', 'Google Ads'], 'Digital marketing experts', 'Remote', '6-10 LPA', 'Freelance');  -- Insert into applied\_jobs  INSERT INTO applied\_jobs (job\_id, seeker\_id, seeker\_skills, seeker\_resume)  VALUES  ((SELECT job\_id FROM jobs\_table WHERE job\_title='Software Engineer'), (SELECT seeker\_id FROM seeker\_table WHERE email='rohan.sharma@example.com'), ARRAY['Java', 'Spring Boot'], 'resume1.pdf'),  ((SELECT job\_id FROM jobs\_table WHERE job\_title='Data Scientist'), (SELECT seeker\_id FROM seeker\_table WHERE email='ananya.verma@example.com'), ARRAY['Python', 'Machine Learning'], 'resume2.pdf'),  ((SELECT job\_id FROM jobs\_table WHERE job\_title='Cloud Engineer'), (SELECT seeker\_id FROM seeker\_table WHERE email='vikram.patel@example.com'), ARRAY['AWS', 'Kubernetes'], 'resume3.pdf'),  ((SELECT job\_id FROM jobs\_table WHERE job\_title='Business Analyst'), (SELECT seeker\_id FROM seeker\_table WHERE email='pooja.reddy@example.com'), ARRAY['Excel', 'Power BI'], 'resume4.pdf'),  ((SELECT job\_id FROM jobs\_table WHERE job\_title='Marketing Specialist'), (SELECT seeker\_id FROM seeker\_table WHERE email='amit.mishra@example.com'), ARRAY['SEO', 'Google Ads'], 'resume5.pdf');  -- Insert into saved\_jobs  INSERT INTO saved\_jobs (job\_id, seeker\_id)  VALUES  ((SELECT job\_id FROM jobs\_table WHERE job\_title='Software Engineer'), (SELECT seeker\_id FROM seeker\_table WHERE email='rohan.sharma@example.com')),  ((SELECT job\_id FROM jobs\_table WHERE job\_title='Data Scientist'), (SELECT seeker\_id FROM seeker\_table WHERE email='ananya.verma@example.com')),  ((SELECT job\_id FROM jobs\_table WHERE job\_title='Cloud Engineer'), (SELECT seeker\_id FROM seeker\_table WHERE email='vikram.patel@example.com')),  ((SELECT job\_id FROM jobs\_table WHERE job\_title='Business Analyst'), (SELECT seeker\_id FROM seeker\_table WHERE email='pooja.reddy@example.com')),  ((SELECT job\_id FROM jobs\_table WHERE job\_title='Marketing Specialist'), (SELECT seeker\_id FROM seeker\_table WHERE email='amit.mishra@example.com')); |