|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Database*** | employment\_agency | ***Table Name*** | job\_seeker | ***(Composite)Key Field*** |  |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** Collection of potential job seekers that are using the agency |
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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| job\_seeker\_id | Y | Y | Y | INT | 11 | AUTO\_INCREMENT |  | A job seeker’s identification number that serves as a primary key to uniquely identify each job seeker | 12 |
| first\_name | Y | N | N | VARCHAR | 50 |  |  | Job seeker’s first name | Calum |
| last\_name | Y | Y | N | VARCHAR | 50 |  |  | Job seeker’s last name | Fitzpatrick |
| DOB | Y | N | N | DATE |  |  |  | Birth date of the job seeker | 2004-12-07 |
| phone\_num | N | N | N | VARCHAR | 15 |  | NULL | Job seeker’s phone number | 07511757092 |
| email\_address | Y | Y | Y | VARCHAR | 50 |  |  | Job seeker’s email address | cfitzpatrick878@gmail.com |
| address\_line | Y | N | N | VARCHAR | 100 |  |  | First line of the job seeker’s address | 34 Egg Fields |
| city | Y | Y | N | VARCHAR | 50 |  |  | Job seeker’s city of residence | Belfast |
| country | Y | N | N | VARCHAR | 50 |  |  | Job seeker’s country of residence | UK |
| postcode | Y | Y | N | VARCHAR | 20 |  |  | Job seeker’s postcode | BT36 7UD |
| min\_hourly\_salary | N | N | N | DECIMAL | 5 | To 2 decimal places | 0 | The minimum hourly salary that the job seeker will settle for | 11.76 |
| full\_time | Y | N | N | BOOLEAN | 1 |  |  | The declaration of whether the job seeker can work full-time | 0 (FALSE) |

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| **Key:** | **R=Required** | Y | (Yes – NOT NULL) | N | (No) |
|  | **I=Indexed** | Y | (Yes – indexed) | N | (Not indexed) |
|  | **U=Unique** | Y | Yes (Unique) | N | (Not unique) |

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| ***Database*** | employment\_agency | ***Table Name*** | certificate | ***(Composite)Key Field*** | (job\_seeker\_id, qualification\_title) |

**Related to:**

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| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| job\_seeker | job\_seeker\_id |  |  |
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| **General table description:** Collection of job applications submitted |
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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| job\_seeker\_id | Y | Y | Y | INT | 11 |  |  | A job seeker’s identification number, which serves as a foreign key referencing job\_seeker.job\_seeker\_id and forms a composite key with qualification\_title and qualification\_level\_id. Only unique as part of a composite key and not on its own | 2 |
| qualification\_title | Y | Y | Y | VARCHAR | 50 |  |  | The field or area that the certificate is for, forms a composite key with job\_seeker\_id. Only unique as part of a composite key and not on its own | 4 |

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| **Key:** | **R=Required** | Y | (Yes – NOT NULL) | N | (No) |
|  | **I=Indexed** | Y | (Yes – indexed) | N | (Not indexed) |
|  | **U=Unique** | Y | Yes (Unique) | N | (Not unique) |

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| ***Database*** | employment\_agency | ***Table Name*** | employer | ***(Composite)Key Field*** |  |

**Related to:**

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| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** Collection of employers looking to hire new candidates |
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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| employer\_id | Y | Y | Y | INT | 11 | AUTO\_INCREMENT |  | An employer’s identification number that serves as a primary key to uniquely identify each employer | 14 |
| company\_name | Y | Y | N | VARCHAR | 50 |  |  | The name of the company | MJM Marquees |
| phone\_num | N | N | N | VARCHAR | 15 |  | NULL | Employer’s phone number | 07511757092 |
| email\_address | Y | Y | Y | VARCHAR | 50 |  |  | Employer’s email address | info@mjmmarquees.com |
| city | Y | Y | N | VARCHAR | 50 |  |  | Employer’s city of residence | Belfast |
| country | Y | N | N | VARCHAR | 50 |  |  | Employer’s country of residence | UK |

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| **Key:** | **R=Required** | Y | (Yes – NOT NULL) | N | (No) |
|  | **I=Indexed** | Y | (Yes – indexed) | N | (Not indexed) |
|  | **U=Unique** | Y | Yes (Unique) | N | (Not unique) |

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| ***Database*** | employment\_agency | ***Table Name*** | sector | ***(Composite)Key Field*** |  |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** Collection of job sectors that the employment agency specializes in |
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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| sector\_id | Y | Y | Y | INT | 11 | AUTO\_INCREMENT |  | A sector’s identification number that serves as a primary key to uniquely identify each sector | 3 |
| sector\_title | Y | N | Y | VARCHAR | 50 |  |  | The name of the sector | Finance |
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| --- | --- | --- | --- | --- | --- |
| **Key:** | **R=Required** | Y | (Yes – NOT NULL) | N | (No) |
|  | **I=Indexed** | Y | (Yes – indexed) | N | (Not indexed) |
|  | **U=Unique** | Y | Yes (Unique) | N | (Not unique) |

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| ***Database*** | employment\_agency | ***Table Name*** | application\_status | ***(Composite)Key Field*** |  |

**Related to:**

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| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** Collection of states that represent an application’s current status |
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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| application\_status\_id | Y | Y | Y | INT | 11 | AUTO\_INCREMENT |  | An identification number that serves as a primary key to uniquely identify each of the possible status’ | 3 |
| status | Y | N | Y | VARCHAR | 50 |  |  | The current status for an application | Pending |
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| --- | --- | --- | --- | --- | --- |
| **Key:** | **R=Required** | Y | (Yes – NOT NULL) | N | (No) |
|  | **I=Indexed** | Y | (Yes – indexed) | N | (Not indexed) |
|  | **U=Unique** | Y | Yes (Unique) | N | (Not unique) |

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| ***Database*** | employment\_agency | ***Table Name*** | job | ***(Composite)Key Field*** |  |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| sector | sector\_id |  |  |
| employer | employer\_id |  |  |

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| **General table description:** Collection of jobs being advertised through the agency |
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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| job\_id | Y | Y | Y | INT | 11 | AUTO\_INCREMENT |  | A job’s identification number that serves as a primary key to uniquely identify each job | 13 |
| job\_title | Y | Y | N | VARCHAR | 50 |  |  | The name of the job | Software Engineer |
| sector\_id | N | N | N | INT | 11 |  | NULL | Reference for which sector the job is in. Foreign key referencing sector.sector\_id | 2 |
| employer\_id | Y | N | N | INT | 11 |  |  | Reference for which employer is offering the job. Foreign key referencing employer.employer\_id | 19 |
| hourly\_salary | Y | N | N | DECIMAL | 5 | To 2 decimal places |  | How much the job pays per hour | 16.25 |
| date\_posted | Y | N | N | DATE |  |  |  | The date that the job listing was posted | 2024-03-06 |
| application\_deadline | Y | N | N | DATE |  |  |  | The deadline for accepting new applications | 2024-03-20 |
| on\_site | Y | N | N | BOOLEAN | 1 |  |  | The declaration of whether the job is on-site (TRUE) or remote (FALSE). | 0, 1 |
| full\_time | Y | N | N | BOOLEAN | 1 |  |  | The declaration of whether the job involves full-time employment | 0, 1 |
| city | N | Y | N | VARCHAR | 50 |  | NULL | The city where the job is situated | Belfast |
| country | N | N | N | VARCHAR | 50 |  | NULL | The country where the job is situated | UK |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Key:** | **R=Required** | Y | (Yes – NOT NULL) | N | (No) |
|  | **I=Indexed** | Y | (Yes – indexed) | N | (Not indexed) |
|  | **U=Unique** | Y | Yes (Unique) | N | (Not unique) |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Database*** | employment\_agency | ***Table Name*** | application | ***(Composite)Key Field*** | (job\_seeker\_id, job\_id) |

**Related to:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| job\_seeker | job\_seeker\_id | application\_status | application\_status\_id |
| job | job\_id |  |  |

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| --- |
| **General table description:** Collection of job applications submitted |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| job\_seeker\_id | Y | Y | Y | INT | 11 |  |  | A job seeker’s identification number, which serves as a foreign key referencing job\_seeker.job\_seeker\_id and forms a composite key with job\_id. Only unique as part of a composite key and not on its own | 2 |
| job\_id | Y | Y | Y | INT | 11 |  |  | A job identification number, which serves as a foreign key referencing job.job\_id and forms a composite key with job\_seeker\_id. Only unique as part of a composite key and not on its own | 4 |
| application\_status\_id | N | N | N | INT | 11 |  | NULL | The application’s current status. Foreign key referencing application\_status.application\_status\_id | 4 |
| date\_submitted | Y | Y | N | DATE |  |  |  | The date that the application was submitted | 2023-03-06 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Key:** | **R=Required** | Y | (Yes – NOT NULL) | N | (No) |
|  | **I=Indexed** | Y | (Yes – indexed) | N | (Not indexed) |
|  | **U=Unique** | Y | Yes (Unique) | N | (Not unique) |