|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Database*** | nwatkins02 | ***Table Name*** | applications | ***(Composite)Key Field*** | applicationId |

**Related to:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| jobListings | jobId | jobSeekers | jobSeekerId |
| applicationStatus | statusId |  |  |

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| --- |
| **General table description:** |
| Collection of applications made by job seekers |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| applicationId | Y | Y | Y | int | 11 | Auto Increment |  | Application identifier which serves as the primary key | 2 |
| jobSeekerId | Y | Y | N | int | 11 |  |  | Foreign key referencing jobSeekers.jobSeekerId | 25 |
| jobId | Y | Y | N | int | 11 |  |  | Foreign key referencing jobListings.jobId | 42 |
| statusId | Y | Y | N | int | 11 |  |  | Foreign key referencing applicationStatus.statusId | 6 |

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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*** | nwatkins02 | ***Table Name*** | applicationStatus | ***(Composite)Key Field*** | statusId |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** |
| Collection of application statuses |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| statusId | Y | Y | Y | int | 11 | Auto Increment |  | Status indetifier which serves as the primary key | 1 |
| status | Y | N | N | varchar | 50 |  |  | The job status | Received |

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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*** | nwatkins02 | ***Table Name*** | employers | ***(Composite)Key Field*** | employerId |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** |
| Collection of all employers |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| employerId | Y | Y | Y | int | 11 |  | Auto Increment | Employer indetifier which serves as the primary key | 1 |
| Name | Y | Y | N | varchar | 50 |  |  | Employer name | Kuhn LLC |

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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*** | nwatkins02 | ***Table Name*** | employerContacts | ***(Composite)Key Field*** | contactId |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** |
| Collection of all employer contacts |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| contactId | Y | Y | Y | int | 11 | Auto Increment |  | Contact indetifier which serves as the primary key | 1 |
| forename | Y | Y | N | varchar | 50 |  |  | Contact forename | James |
| surname | Y | Y | N | varchar | 50 |  |  | Contact surname | Smith |
| contactNo | Y | N | N | varchar | 11 |  |  | Contact phone number | 07412345678 |
| emailAddress | Y | N | N | varchar | 100 |  |  | Contact email address | james.smith@gmail.com |

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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*** | nwatkins02 | ***Table Name*** | employers\_employerContacts | ***(Composite)Key Field*** | (employerId, contactId) |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| employers | employerId | employerContacts | contactId |
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| **General table description:** |
| Junction table of employers and employer contacts |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| employerId | Y | Y | Y | int | 11 |  |  | Employer indetifier which serves as a foreign key referencing employers.employerId and is part of a composite key |  |
| contactId | Y | Y | Y | int | 11 |  |  | Contact indetifier which serves as a foreign key referencing employerContacts.contactId and is part of a composite key |  |

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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*** | nwatkins02 | ***Table Name*** | interviews | ***(Composite)Key Field*** | interviewId |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| applications | applicationId |  |  |
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| **General table description:** |
| Collection of all interviews |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| interviewId | Y | Y | Y | int | 11 | Auto Increment |  | Interview indetifier which serves as the primary key | 1 |
| applicationId | Y | Y | N | int | 11 |  |  | Application identifier which serves as a foreign key referencing applications.applicationId | 2 |
| date | Y | Y | N | date |  |  |  | Interview date | 2024-03-01 |
| complete | Y | N | N | boolean | 1 |  |  | Interview completion true/false | 1 |
| score | N | N | N | int | 2 |  | Null | Interview score | 44 |
| comments | N | N | N | varchar | 255 |  | Null | Interview comments | Strong candidate with excellent skills |
| improvements | N | N | N | varchar | 255 |  | Null | Improvements for jobSeeker | Enhance time management |
| strengths | N | N | N | varchar | 255 |  | Null | Strengths of jobSeekers | Great-problem solving abilites |

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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*** | nwatkins02 | ***Table Name*** | jobListings | ***(Composite)Key Field*** | jobId |

**Related to:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| sectors | sectorId | employers | employerId |
| jobTypes | jobTypeId |  |  |

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| **General table description:** |
| Collection of all jobListings |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| jobId | Y | Y | Y | int | 11 | Auto Increment |  | Job indetifier which serves as the primary key | 1 |
| Title | Y | Y | N | varchar | 50 |  |  | Job title | Dental Hygenist |
| Location | Y | Y | N | varchar | 100 |  |  | Job location | Ballyronan |
| sectorId | Y | Y | N | int | 11 |  |  | Job sector identifier which serves as a foreign key referencing sectors.sectorId | 1 |
| Description | Y | N | N | varchar | 255 |  |  | Job description | Clean teeth and provide dental hygiene treatments. |
| Requirements | Y | N | N | varchar | 255 |  |  | Job requirements | Bachelor's in Dental Hygiene, relevant license. |
| postedDate | Y | N | N | date |  |  |  | Job listing posted date | 2024-02-15 |
| closingDate | Y | N | N | date |  |  |  | Job listing closing date | 2024-03-18 |
| Salary | Y | N | N | int | 6 |  |  | Job salary | 41600 |
| jobTypeId | Y | Y | N | int | 11 |  |  | Job type identifier which serves as a foreign key referencing jobTypes.jobTypeId | 1 |
| employerId | Y | Y | N | int | 11 |  |  | Employer identifier which serves as a foreign key referencing employers.employerId | 20 |

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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*** | nwatkins02 | ***Table Name*** | jobSeekers | ***(Composite)Key Field*** | jobSeekerId |

**Related to:**

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| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** |
| Collection of all job seekers |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| jobSeekerId | Y | Y | Y | int | 11 | Auto Increment |  | Job Seeker indetifier which serves as the primary key | 1 |
| forename | Y | Y | N | varchar | 50 |  |  | Job Seeker forename | Myer |
| surname | Y | Y | N | varchar | 50 |  |  | Job Seeker surname | Rainton |
| dob | Y | N | N | date |  |  |  | Job Seeker date of birth | 1989-11-02 |
| email | Y | N | N | varchar | 100 |  |  | Job Seeker email address | mrainton0@gmail.com |
| phoneNo | Y | N | N | varchar | 11 |  |  | Job Seeker phone number | 07727670414 |
| address | Y | N | N | varchar | 50 |  |  | Job Seeker address | 25 Oak Street |
| city | Y | Y | N | varchar | 50 |  |  | Job Seeker city | Lisburn |
| county | Y | Y | N | varchar | 30 |  |  | Job Seeker county | Antrim |
| postcode | Y | Y | N | varchar | 7 |  |  | Job Seeker postcode | BT28 1RH |
| cvFile | N | N | N | varchar | 100 |  | Null | The uploaded CV file | mrainton\_cv.pdf |

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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*** | nwatkins02 | ***Table Name*** | jobSeekers\_qualificationLevels | ***(Composite)Key Field*** | (jobSeekerId, qualificationId) |

**Related to:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| jobSeekers | jobSeekerId | qualificationLevels | qualificationId |
|  |  |  |  |

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| **General table description:** |
| Collection of qualification levels |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| jobSeekerId | Y | Y | Y | int | 11 |  |  |  |  |
| qualificationId | Y | Y | Y | int | 11 |  |  |  |  |

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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*** | nwatkins02 | ***Table Name*** | jobTypes | ***(Composite)Key Field*** | jobTypeId |

**Related to:**

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| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** |
| Collection of job types |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| jobTypeId | Y | Y | Y | int | 11 | Auto Increment |  | Job Type indetifier which serves as the primary key | 2 |
| type | Y | Y | N | varchar | 25 |  |  | Job type | Part-Time |

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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*** | nwatkins02 | ***Table Name*** | qualificationLevels | ***(Composite)Key Field*** | qualificationId |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| --- |
| **General table description:** |
| Collection of qualification levels |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| qualificationId | Y | Y | Y | int | 11 | Auto Increment |  | Qualification indetifier which serves as the primary key | 4 |
| qualification | Y | N | N | int | 11 |  |  | Qualification | Bachelor’s Degree |

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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*** | nwatkins02 | ***Table Name*** | sectors | ***(Composite)Key Field*** | sectorId |

**Related to:**

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| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** |
| Collection of sectors |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| sectorId | Y | Y | Y | int | 11 | Auto Increment |  | Sector indetifier which serves as the primary key | 6 |
| sector | Y | Y | N | varchar | 50 |  |  | Sector | Hospitality |

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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) |