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| ***Database*** | Employment Agency | ***Table Name*** | qualification | ***(Composite)Key Field*** | qualificationId |

**Related to:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** |
| Holds levels of qualification to be assigned to JobSeekers and JobRoles |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| qualificationId | Y | N | Y | INT | 11 | AUTO\_INCREMENT |  | Primary Key and ID for the qualification level | 1 |
| level | Y | N | Y | VARCHAR | 225 |  |  | Description of level of 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*** | Employment Agency | ***Table Name*** | jobSeeker | ***(Composite)Key Field*** | jobSeekerId |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| Qualification | qualificationId |  |  |
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| **General table description:** |
| JobSeekers signed up to the employment agency |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| jobSeekerId | Y | N | Y | INT | 11 | AUTO\_INCREMENT |  | Unique identifier of jobSeekers | 1 |
| forename | Y | N | N | VARCHAR | 225 |  |  | jobSeeker’s forename | “John” |
| surname | Y | N | N | VARCHAR | 225 |  |  | jobSeeker’s surname | “Doe” |
| dateOfBirth | Y | N | N | DATE |  | YYYY-MM-DD |  | jobSeeker’s Date of Birth | 2005-06-03 |
| email | Y | N | N | VARCHAR | 225 |  |  | jobSeeker;s Email Address | JDoe@gmail.com |
| phoneNumber | N | N | N | VARCHAR | 225 |  | NULL | jobSeeker’s Phone Number | 07490814418 |
| qualificationId | N | N | N | INT | 11 |  | NULL | ID for jobSeekers qualification level | 2 |
| fullTime | N | N | N | BOOLEAN |  |  | NULL | Whether or not the jobSeeker can work fullTIme | 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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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| minSalary | N | N | N | DOUBLE | 10,2 | Two digits after decimal point | NULL | Minimum salary the jobSeeker would work for | 56,000.00 |
| workExperience | N | N | N | TEXT | 1000 |  | NULL | Paragraph describing jobSeekers work experience | 4 years – Sales Assistant |
| notes | N | N | N | TEXT | 500 |  | NULL | Any extra notes | Available to work abroad |

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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*** | company | ***(Composite)Key Field*** | companyId |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** |
| Hiring company’s details |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| companyId | Y | N | Y | INT | 11 | AUTO\_INCREMENT |  | Unique identifier of the company | 1 |
| name | Y | N | N | VARCHAR | 225 |  |  | Company’s name | Tech Solutions |
| details | N | N | N | VARCHAR | 225 |  | NULL | Extra details about what the company does | Providing Technological Solutions for the country |
| field | N | N | N | VARCHAR | 225 |  | NULL | The field the company operates in | Technology |

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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*** | jobRole | ***(Composite)Key Field*** | jobRoleId |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| company | companyId | qualification | minQualificationId |
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| **General table description:** |
| Job Role listing on employment agency |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| jobRoleId | Y | N | Y | INT | 11 | AUTO\_INCREMENT |  | Unique Identifier of jobRole | 1 |
| title | Y | N | N | VARCHAR | 225 |  |  | Title of jobRole | Software Engineer |
| companyId | N | N | N | INT | 11 |  | NULL | Foreign key - Company that posted job role | 2 |
| vacancies | N | N | N | INT | 11 |  | NULL | Number of available jobs in this role | 3 |
| salary | N | N | N | DOUBLE | 10,2 | Two digits after the decimal point | NULL | Salary the job pays | 67,000.00 |
| fullTime | N | N | N | BOOLEAN |  |  | NULL | Whether the job is Full Time or not | FALSE |
| minQualificationID | N | N | N | INT | 11 |  | NULL | Foreign key – Minimum qualification needed for job | 3 |
| datePosted | Y | N | N | DATE |  | YYYY-MM-DD |  | Date the listing was posted | 2024-03-08 |

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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*** | applicationStatus | ***(Composite)Key Field*** | applicationStatusId |

**Related to:**

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| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** |
| Status of application identifier |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| applciationStatusId | Y | N | Y | INT | 11 | AUTO\_INCREMENT |  | Unique Identifier for application Status | 2 |
| Status | Y | N | N | VARCHAR | 225 |  |  | Status of 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*** | Application | ***(Composite)Key Field*** | jobSeekerId, jobRoleId |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| jobSeeker | jobSeekerId | jobRole | jobRoleId |
| applicationStatus | statusId |  |  |

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| **General table description:** |
| Linking table between jobSeeker and JobRole. The application to a jobRole |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| jobSeekerId | N | N | N | INT | 11 |  | NULL | Id of jobSeeker who applied | 5 |
| jobRoleId | N | N | N | INT | 11 |  | NULL | Id of jobRole being applied to | 18 |
| statusId | N | N | N | INT | 11 |  | NULL | ID of status of application | 2 |

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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*** | staff | ***(Composite)Key Field*** | staffId |

**Related to:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** |
| Details of staff working at company |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| staffId | Y | N | Y | INT | 11 | AUTO\_INCREMENT |  | Unique identifier of staff | 1 |
| forename | Y | N | N | VARCHAR | 225 |  |  | Staff’s forename | “John” |
| surname | Y | N | N | VARCHAR | 225 |  |  | Staff’s surname | “Doe” |
| email | Y | N | N | VARCHAR | 225 |  |  | Staff’s Email Address | JDoe@gmail.com |
| phoneNumber | N | N | N | VARCHAR | 225 |  | NULL | Staff’s Phone Number | 07490814418 |

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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) |