# Relation schemas

1. Resumes

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| **필드명** | **타입** | **제약조건** |
| ID | bigint | PK |
| Owner\_email | Varchar(255) | FK(User-username) |
| Color\_scheme | bigint | FK(Colors-scheme\_number), not null |
| Phone\_number | Varchar(255) | Unique |
| Photo\_id | Bigint | FK(resume\_photos-id),  not null |

1. Educations

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| **필드명** | **타입** | **제약조건** |
| Resume\_id | Bigint | FK(Resume-ID), not null |
| ID | Bigint | PK |
| Type | smallint | Not null |
| Institution\_name | Varchar(255) | Not null |
| Department | Varchar(255) | Not null |
| degree | Varchar(255) |  |
| gpa | Decimal(5,2) |  |
| Max\_gpa | Decimal(5,2) |  |
| From\_Date | Timestamp | Not null |
| To\_date | Timestamp | Not null |
| To\_now | Tiny int | Default 0, in (0, 1) |

1. Awards

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| **필드명** | **타입** | **제약조건** |
| Resume\_id | Bigint | FK(Resume-ID), not null |
| ID | Bigint | PK |
| Award\_name | Varchar(255) | Not null |
| Competition\_name | Varchar(255) | Not null |
| Organization\_name | Varchar(255) | Not null |
| Award\_date | Date | Not null |

1. Educational\_exp

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| **필드명** | **타입** | **제약조건** |
| Resume\_id | Bigint | FK(Resume-id), not null |
| Id | Bigint | PK |
| Education\_name | Varchar(255) | Not null |
| Organization\_name | Varchar(255) | Not null |
| From\_date | Date | Not null |
| To\_date | Date | Not null |
| To\_now | Tinyint | Default 0, In(0, 1) |

1. Academic\_activities

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| **필드명** | **타입** | **제약조건** |
| Resume\_id | Bigint | FK(Resume-id), not null |
| Id | Bigint | PK |
| Activity\_name | Varchar(255) | Not null |
| Academic\_institution | Varchar(255) | Not null |
| Conference\_name | Varchar(255) |  |
| Activity\_date | Date | Not null |

1. Work\_exp

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| **필드명** | **타입** | **제약조건** |
| Resume\_id | Bigint | FK(resume-id) |
| Id | Bigint | PK |
| Company\_name | Varchar(255) | Not null |
| Job\_title | Varchar(255) | Not null |
| From\_date | Date | Not null |
| To\_date | Date | Not null |
| Responsibilities | Varchar(300) | Not null |

1. Skill\_book

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| **필드명** | **타입** | **제약조건** |
| Id | Bigint | PK |
| Skill\_name | Varchar(255) | Not null |
| Img\_url | Varchar(512) | Not null |

1. Skills

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| **필드명** | **타입** | **제약조건** |
| Project\_id | Bigint | FK(Projects-id), PK |
| Skill\_id | Bigint | FK(skill\_book-id), PK |
| capability | Tinyint | Default 1, in(1, 2, 3) |

1. Resume\_photo

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| **필드명** | **타입** | **제약조건** |
| ID | Bigint | PK |
| url | Varchar(512) | Not null |

1. Projects

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| **필드명** | **타입** | **제약조건** |
| Resume\_id | Bigint | FK(Resume-id), not null |
| Id | Bigint | Pk |
| Title | Varchar(255) | Not null |
| Short\_comment | Varchar(255) | Not null |
| Summary | Varchar(500) | Not null |
| Rep\_img | Bigint | FK(Project\_photos–id) |

* Caution : Rep\_img는 반드시 필요하지만, Project\_photos에서 project\_id가 not null이라 rep\_img를 not null로 만들면 순환 오류가 발생 -> insert 불가능. 트랜잭션 설계 시 반영할 것.

1. Project\_photos

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| **필드명** | **타입** | **제약조건** |
| Id | Bigint | PK |
| url | Varchar(512) | Not null, unique |
| Project\_id | Bigint | FK(projects-id), not null |

1. Troubleshooting

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| **필드명** | **타입** | **제약조건** |
| Project\_id | Bigint | FK(projects-id), not null |
| Id | Bigint | PK |
| Problem | Varchar(500) | Not null |
| Solution | Varchar(500) | Not null |
| Result | Varchar(500) | Not null |
| Lesson | Varchar(500) |  |

1. Role

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| **필드명** | **타입** | **제약조건** |
| Project\_id | Bigint | FK(projects-id), not null |
| Id | bigint | PK |
| Role\_title | Varchar(255) | Not null |
| Role\_comment | Varchar(600) | Not null |

1. Repository\_links

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| **필드명** | **타입** | **제약조건** |
| Project\_id | Bigint | FK(projects-id), PK |
| Repo\_type | Tinyint | Not null |
| url | Varchar(512) | PK |

* Repo\_type은 저장소의 종류를 의미. 일단 1 -> github

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1. Open\_source\_and\_lib

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| **필드명** | **타입** | **제약조건** |
| Project\_id | Bigint | FK(projects-id), PK |
| Source\_name | Varchar(100) | Not null, PK |