PROJECT NAME: **JOB APPLICATIONS**
DEFINITION   DIMENSIONAL MODEL

DIMENSION TABLES

TABLE: dim_applicant

Granularity: One record per applicant

NAME	DATA TYPE	KEY	COMMENT	SAMPLE
applicant_key	varchar(50)	PK	Surrogate Key Generated	0a9d8859-a4a3-44c4-85f0-00e51996e093
firstname	varchar(100)		Firstname of the applicant	Nelly
lastname	varchar(100)		Lastname of the applicant	Okenden
created_date	timestamp		Execution Date time where the record is inserted in the table	2020-09-06 18:40:18.0

TABLE: dim_benefit

Granularity: One record per benefit

NAME	DATA TYPE	KEY	COMMENT	SAMPLE
benefit_key	varchar(50)	PK	Surrogate Key Generated	0a9d8859-a4a3-44c4-85f0-00e51996e093
benefit_name	varchar(50)		Benefit name	Home Office
created_date	timestamp		Execution Date time where the record is inserted in the table	2020-09-06 18:40:18.0

TABLE: dim_city

Granularity: One record per city

NAME	DATA TYPE	KEY	COMMENT	SAMPLE
city_key	varchar(50)	PK	Surrogate Key Generated	0a9d8859-a4a3-44c4-85f0-00e51996e093
city_name	varchar(100)		Name of the city	Yunji
created_date	timestamp		Execution Date time where the record is inserted in the table	2020-09-06 18:40:18.0

TABLE: dim_company

Granularity: One record per company

NAME	DATA TYPE	KEY	COMMENT	SAMPLE
company_key	varchar(50)	PK	Surrogate Key Generated	0a9d8859-a4a3-44c4-85f0-00e51996e093
company_name	varchar(100)		Name of the company	Johnston and Sons
company_sector	varchar(100)		Sector of the company	Engineering
created_date	timestamp		Execution Date time where the record is inserted in the table	2020-09-06 18:40:18.0

TABLE: dim_date

Granularity: One record per date

Roles: Application Date, Publication date
Pre-loaded table

NAME	DATA TYPE	KEY	COMMENT	SAMPLE
date_key	varchar(50)	PK	Surrogate Key Generated	0a9d8859-a4a3-44c4-85f0-00e51996e093
date_value	date		Date in date format	2020-09-06 18:40:18.0
day	integer		Day	6
week	integer		Week	1
month	integer		Month	9
Year	integer		Year	2020
day_name	varchar(50)		Name of the day	SUNDAY
month_name	varchar(50)		Name of the month	SEPTEMBER
yyyymmdd	varchar(10)		Date in format YYYYMMDD	20200906
created_date	timestamp		Execution Date time where the record is inserted in the table	2020-09-06 18:40:18.0

TABLE: dim_jobpost

Granularity: One record per Job post advert

NAME	DATA TYPE	KEY	COMMENT	SAMPLE
jobpost_key	varchar(50)	PK	Surrogate Key Generated	0a9d8859-a4a3-44c4-85f0-00e51996e093
jobpost_id	varchar(50)		Job post id from the data source	63fe86d1-5d4b-42b5-97bb-6714e0416fcc
advert_id	varchar(50)		Advert id from data source	f722f803-ee6b-424b-a5e5-248ad2e74527
advert_applyurl	varchar(2000)		Advert URL for apply to the job position	https://netscape.com/odio/condimentum/id/luctus.xml?vel=vel&accumsan=lectus
created_date	timestamp		Execution Date time where the record is inserted in the table	2020-09-06 18:40:18.0

TABLE: dim_jobtitle

Granularity: One record per Job Title

NAME	DATA TYPE	KEY	COMMENT	SAMPLE
jobtitle_key	varchar(50)	PK	Surrogate Key Generated	0a9d8859-a4a3-44c4-85f0-00e51996e093
jobtitle_name	varchar(50)		Name of the job tittle	Business Systems Development Analyst
created_date	timestamp		Execution Date time where the record is inserted in the table	2020-09-06 18:40:18.0

TABLE: dim_skill

Granularity: One record per Job Title

NAME	DATA TYPE	KEY	COMMENT	SAMPLE
skill_id	varchar(50)	PK	Surrogate Key Generated	0a9d8859-a4a3-44c4-85f0-00e51996e093
skill_name	varchar(50)		Name of the skill	Military Aviation
created_date	timestamp		Execution Date time where the record is inserted in the table	2020-09-06 18:40:18.0

TABLE: dim_status

Granularity: One record per advert status

NAME	DATA TYPE	KEY	COMMENT	SAMPLE
status_key	varchar(50)	PK	Surrogate Key Generated	0a9d8859-a4a3-44c4-85f0-00e51996e093
status_name	varchar(50)		Name of the advert status	Deleted
created_date	timestamp		Execution Date time where the record is inserted in the table	2020-09-06 18:40:18.0

TABLE: dim_time

Granularity: One record per hour minute

Roles: Application time, Publication time

Pre-loaded table

NAME	DATA TYPE	KEY	COMMENT	SAMPLE
time_key	varchar(50)	PK	Surrogate Key Generated	0a9d8859-a4a3-44c4-85f0-00e51996e093
time_hh24	varchar(10)		Time in format HH24:MI	18:40
hh24	integer		Hour of the day	18
minutes	integer		Minutes	40
created_date	timestamp		Execution Date time where the record is inserted in the table	2020-09-06 18:40:18.0

DIMENSION BRIDGE TABLES

TABLE: bridge_applicant_skills

Granularity: One record per skill per applicant per job post

NAME	DATA TYPE	KEY	COMMENT	SAMPLE
applicant_key	varchar(50)		applicant key from table dim_applicant	0a9d8859-a4a3-44c4-85f0-00e51996e093
skill_key	varchar(50)		Skill key from table dim_skill	0a9d8859-a4a3-44c4-85f0-00e51996e093
jobpost_key	varchar(50)		Skill key from table dim_skill	0a9d8859-a4a3-44c4-85f0-00e51996e093

TABLE: bridge_jobpost_benefits

Granularity: One record per benefit per job post

NAME	DATA TYPE	KEY	COMMENT	SAMPLE
jobpost_key	varchar(50)		Job post key from table dim_jobpost	0a9d8859-a4a3-44c4-85f0-00e51996e093
benefit_key	varchar(50)		Benefit key from table dim_benefit	0a9d8859-a4a3-44c4-85f0-00e51996e093

FACT TABLES

TABLE: fact_job_applications

Granularity: One record per job post per application

NAME	DATA TYPE	PARENT TABLE	COMMENT	SAMPLE
jobpost_key	varchar(50)		Job post key from table dim_jobpost	0a9d8859-a4a3-44c4-85f0-00e51996e093
applicant_key	varchar(50)		Applicant key from table dim_applicant	0a9d8859-a4a3-44c4-85f0-00e51996e093
jobtitle_key	varchar(50)		Job title key from table dim_jobtitle	0a9d8859-a4a3-44c4-85f0-00e51996e093
company_key	varchar(50)		Company key from table dim_company	0a9d8859-a4a3-44c4-85f0-00e51996e093
publication_date_key	varchar(50)		Publication date key from table dim_date	0a9d8859-a4a3-44c4-85f0-00e51996e093
publication_time_key	varchar(50)		Publication time key from table dim_time	0a9d8859-a4a3-44c4-85f0-00e51996e093

application_date_key	varchar(50)	Application date key from table dim_date	0a9d8859-a4a3-44c4-85f0-00e51996e093
application_time_key	varchar(50)	Application time key from table dim_time	0a9d8859-a4a3-44c4-85f0-00e51996e093
status_key	varchar(50)	Status key from table dim_status	0a9d8859-a4a3-44c4-85f0-00e51996e093
city_key	varchar(50)	City key from table dim_city	0a9d8859-a4a3-44c4-85f0-00e51996e093
applicant_age	integer	Applicant age	27
applicants_quantity	integer	Quantity of job applicants	1
job_quantity	integer	Quantity of job post	1
activedays	integer	Advert active days	15
created_date	timestamp	Execution Date time where the record is inserted in the table	2020-09-06 18:40:18.0