

## Data Dictionary

A data dictionary, outlining the jobAnalytics database table in detail:

### 1. jobs

Field	Data Type	Data Format	Required/Null	Description	Example
job_title	varchar(500)	text	Required	Job title	Data Scientist
job_description	varchar	text	Nullable	Job details	You should have an experience of 2-3 years....
company	varchar	text	Required	Name of the company which offered job	Google
location	varchar	text	Nullable	Location of the company	Denver, CO, US
source	varchar(256)	text	Required	From which source this data is fetched	linkedin
source_fetch_date	Timestamp	yyyy-mm-dd	Required	Date this data is added in storage	2019-05-12

### 2. time\_details

Field	Data Type	Data Format	Required/Null	Description	Example
source_fetch_date	Timestamp	yyyy-mm-dd	Required	Primary Key. Date this data is added in storage.	2019-05-12
source	varchar(256)	text	Required	Primary Key From which source this data is fetched	linkedin
source_year	int	Valid year	Required	Year from timestamp	2019
source_month	int	Valid month	Required	Month from timestamp	5
source_day	int	Valid day	Required	Day from timestamp	12

### 3. company\_location

Field	Data Type	Data Format	Required/Null	Description	Example
company	varchar	text	Required	Primary Key. Company name	Denver Health
location	varchar	text	Required	Primary Key. Company location	Denver, CO, US
city	varchar(256)	text	Nullable	City mentioned in location	Denver
state	varchar(256)	text	Nullable	State mentioned in location	CO
country	varchar(256)	text	Nullable	Country mentioned in location	US

### 4. job\_rating

Field	Data Type	Data Format	Required/Null	Description	Example
job_title	varchar(500)	text	Required	Primary key. Job title.	Data Scientist
company	varchar	text	Required	Primary Key. Name of the company which offered job	Google
rating	int	Should be less than max_rating	Nullable	Rating given to the company out of max_rating	4.2
max_rating	int	Should be greater or equal to max rating in rating column	Nullable	Max score possible	5

### 5. job\_sector

Field	Data Type	Data Format	Required/Null	Description	Example
job_title	varchar(500)	text	Required	Primary key. Job title.	Data Scientist
sector	varchar(500)	text	Nullable	Job sector	Business

## 6. job\_salary

Field	Data Type	Data Format	Required/Null	Description	Example
job_title	varchar(500)	text	Required	Primary key. Job title.	Data Scientist
company	varchar	text	Required	Primary Key. Name of the company which offered job	Google
estimated_salary	varchar(256)	text	Nullable	Salary offered for job	125K-165K

## 7. developers

Field	Data Type	Data Format	Required/Null	Description	Example
person_id	int		Required	Primary key for developer id	237
hobby	varchar(256)	text	Nullable	Does a person have hobby	Yes
open_source_contrib	varchar(256)	text	Nullable	Does person contribute in open source platform	No
country	varchar(256)	text	Nullable	Country person belongs to	Kenya
student	varchar(256)	text	Nullable	Currently a student or not	Yes, Part time
employment	varchar(256)	text	Nullable	Employed or not	Employed part time
main_education	varchar(256)	text	Nullable	Most recent official education	Bachelors degree
development_area	varchar	text	Nullable	In which domain person work in	Full-stack developer
latest_job	varchar	text	Nullable	When was the last latest job	Less than a year ago
productive_hours	varchar	text	Nullable	No. of productive hours in a day	One to three hours
gender	varchar(256)	text	Nullable	Male/Female	Male
age	varchar(256)	text	Nullable	Age of person	23