
linkedin-api-datakund

Release 0.0.2

datakund

Feb 16, 2021

CONTENTS:

- 1 Introduction** **1**
- 2 Installation/Usage:** **3**
- 3 Import datakund** **5**
- 4 Creating Object** **7**
- 5 Functions** **9**
 - 5.1 Login 9
 - 5.2 Search 9
 - 5.3 Get Job Profile 10
 - 5.4 Search People 10
 - 5.5 Search Jobs 10
 - 5.6 Search Posts 11
 - 5.7 Enter Job Location 11
 - 5.8 Send Message 11
 - 5.9 Follow Company 12
 - 5.10 Unfollow Company 12
 - 5.11 Send Connection 12
 - 5.12 Get Profile 13
 - 5.13 Get Company Profile 13
 - 5.14 Click Next 13
 - 5.15 People Results 14
 - 5.16 Jobs Results 14
 - 5.17 Posts Results 14
 - 5.18 Open Connections 15
 - 5.19 Comment On Post 15
 - 5.20 Get Messages 15
 - 5.21 Send Message By Name 16
 - 5.22 Upload Content 16
 - 5.23 Search Companies 17
 - 5.24 Get Feed 17
 - 5.25 Companies Results 17
 - 5.26 Search Groups 18
 - 5.27 Groups Results 18
 - 5.28 Join Group 18
 - 5.29 Get Post 19
 - 5.30 Get Comments 19
 - 5.31 Click Load More 19

5.32	Posts Links	20
5.33	Login Cookie	20
5.34	Accept Invitation	20
5.35	Clicknext	21
6	Other Functions	23
6.1	Open	23
6.2	Get Page Title	23
6.3	Get Page Source	23
6.4	Get Current Url	24
6.5	Reload	24
6.6	Keypress	24
6.7	Scroll	24
6.8	End	24
6.9	Quit	25
	Index	27

INTRODUCTION

datakund is an automation library which can be used to automate tasks like sending mails,scraping data,auto check-out and many more. You can download the source code from here([see here](#))

It uses selenium to automate the things. You can use its inbuilt functions like `linkedin_follow`, `linkedin_login` etc. in a very easy way.

INSTALLATION/USAGE:

You can find this package on Pypi (see [here](#)).

Command to install :- `pip install datakund`

IMPORT DATAKUND

```
from datakund import *
```


CREATING OBJECT

```
linkedin=datakund.linkedin()
```

It will return the object which you can further use to call linkedin functions and opens a automated browser

FUNCTIONS

datakund provides following functions for linkedin:-

5.1 Login

It will login to linkedin via your credentials.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.login (username='datakund@gmail.com', password='password@123')
```

Parameters

- **username** (*str*) – Linkedin username
- **password** (*str*) – Linkedin password

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.2 Search

It searches the keyword passed in `keyword`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.search (keyword='python')
```

Parameters **keyword** (*str*) – Search Keyword like python,hr

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.3 Get Job Profile

It opens the job link passed in `job_link` and fetches info about job.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.get_job_profile (job_link='https://www.linkedin.com/jobs/search?keywords=python&origin=BLENDDED_SEARCH')
```

Parameters `job_link` (*str*) – Link of the job posted

Returns {"body": {'Location': 'Location', 'Employment Type': 'Employment Type', 'Company Name': 'Company Name', 'Industry': 'Industry', 'Experience': 'Experience', 'Roles': 'Roles', 'Job Functions': 'Job Functions', 'Applicants': 'Applicants', 'Title': 'Title', 'Published': 'Published', 'Seniority Level': 'Seniority Level'}, "success_score": "100", "errors": []}

Return type dict

5.4 Search People

It searches the keyword passed in `keyword` and opens people.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.search_people (keyword='Hr manager')
```

Parameters `keyword` (*str*) – Keyword need to be searched like hr,python

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.5 Search Jobs

It searches the keyword passed in `keyword` and opens jobs.

Here is the code:-

```
linkedin.search_jobs (keyword='Python Developer')
```

Parameters `keyword` (*str*) – Keyword need to be searched like hr,python

Returns {}

Return type dict

5.6 Search Posts

It searches the keyword passed in `keyword` and opens content.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.search_posts (keyword='Data Science')
```

Parameters `keyword` (*str*) – Keyword need to be searched like hr,python

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.7 Enter Job Location

It fills location passed in `location` on search results page.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.enter_job_location (location='Delhi')
```

Parameters `location` (*str*) – pass location like delhi,goa

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.8 Send Message

It sends message to user passed in `profile_link` with `message` as message.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.send_message (message='Hi', profile_link='https://www.linkedin.com/in/abhishek-chaudhary-/')
```

Parameters

- **message** (*str*) – message which need to be send
- **profile_link** (*str*) – profile link of user whom message need to be sent

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.9 Follow Company

It follows the company passed in `company_link`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.follow_company(company_link='https://www.linkedin.com/company/microsoft/')
```

Parameters `company_link` (*str*) – company link which need to be followed

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.10 Unfollow Company

It unfollows the company passed in `company_link`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.unfollow_company(company_link='https://www.linkedin.com/company/microsoft/')
```

Parameters `company_link` (*str*) – company link which need to be unfollowed

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.11 Send Connection

It sends connection request to the user passed in `profile_link`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.send_connection(profile_link='https://www.linkedin.com/in/abhishek-chaudhary-')
```

Parameters `profile_link` (*str*) – Profile link of user to whom connection need to be sent

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.12 Get Profile

It fetches the profile of the user passed in `profile_link`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.get_profile (profile_link='https://www.linkedin.com/in/abhishek-chaudhary-/')
```

Parameters `profile_link` (*str*) – Profile link of user whose data need to be fetched

Returns {"body": {'Location': 'Location', 'Info': 'Info', 'Education': 'Education', 'About': 'About', 'Experience': 'Experience', 'Education_Info': 'Education_Info', 'Recommendations': 'Recommendations', 'Mutual_Connections': 'Mutual_Connections', 'Name': 'Name', 'Interests': 'Interests', 'Current Company': 'Current Company'}, "success_score": "100", "errors": []}

Return type dict

5.13 Get Company Profile

It fetches the profile of the company passed in `company_link`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.get_company_profile (company_link='https://www.linkedin.com/company/microsoft/')
```

Parameters `company_link` (*str*) – Company link whose data need to be fetched

Returns {"body": {'Location': 'Location', 'Company Name': 'Company Name', 'Industry': 'Industry', 'Info': 'Info', 'Followers': 'Followers', 'Overview': 'Overview', 'Type': 'Type', 'Founded': 'Founded', 'Website': 'Website', 'Company Size': 'Company Size', 'Specialities': 'Specialities'}, "success_score": "100", "errors": []}

Return type dict

5.14 Click Next

It clicks on Next button on search results page.

Here is the code:-

```
linkedin.click_next ()
```

Returns {}

Return type dict

5.15 People Results

It fetches the data of people on people search results page.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.people_results()
```

Returns {"body": [{"Link": "Link"}], "success_score": "100", "errors": []}

Return type dict

5.16 Jobs Results

It fetches the data of jobs on job search results page.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.jobs_results()
```

Returns {"body": [{"Link": "Link"}], "success_score": "100", "errors": []}

Return type dict

5.17 Posts Results

It fetches the data of posts on content search results page.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.posts_results()
```

Returns {"body": [{"User Link": "User Link", "Post Text": "Post Text"}], "success_score": "100", "errors": []}

Return type dict

5.18 Open Connections

It opens connections of the user passed in `profile_link`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.open_connections(profile_link='https://www.linkedin.com/in/bhawna-vashisht-444174117/')
```

Parameters `profile_link` (*str*) – Profile link whose connections need to be opened

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.19 Comment On Post

It comments on the post passed in `post_link` with `comment` in `comment`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.comment_on_post(post_link='https://www.linkedin.com/posts/er-chirag-grover-290918101_help-androiddevelopment-flutterappdevelopment-activity-6766960247794937856-2jh3', comment='Please share your resume here abc@gmail.com')
```

Parameters

- **post_link** (*str*) – post link where need to comment
- **comment** (*str*) – Text need to comment on post

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.20 Get Messages

It fetch messages of user passed in `profile_link`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.get_messages(profile_link='https://www.linkedin.com/in/abhishek-chaudhary-')
```

Parameters `profile_link` (*str*) – Profile link whose messages need to be fetched

Returns {"body": {"Messegetext": "Messegetext"}, "success_score": "100", "errors": []}

Return type dict

5.21 Send Message By Name

It searches the keyword passed in `keyword` and clicks on first search result and send message passed in `message`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.send_message_by_name (message='Hi', keyword='DataKund')
```

Parameters

- **message** (*str*) – Text need to comment on post
- **keyword** (*str*) – Name of the user who need to be searched

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.22 Upload Content

It uploads the post passed in `content`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.upload_content (content='Hi, hope all are doing well.....')
```

Parameters `content` (*str*) – Post text need to be posted on linkedin

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.23 Search Companies

It searches the keyword passed in `keyword` and opens companies results.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.search_companies (keyword='machine learning')
```

Parameters `keyword` (*str*) – Search keyword like microsoft,google

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.24 Get Feed

It fetches the post content on linkedin feed page.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.get_feed()
```

Returns {"body": [{"Post Content": 'Post Content', 'UserLink': 'UserLink', 'User Name': 'User Name'}], "success_score": "100", "errors": []}

Return type dict

5.25 Companies Results

It fetches the companies data on search results page.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.companies_results()
```

Returns {"body": [{"CompanyLink": 'CompanyLink', 'Followers': 'Followers', 'Type': 'Type', 'Title': 'Title'}], "success_score": "100", "errors": []}

Return type dict

5.26 Search Groups

It searches the keyword passed in `keyword` and opens group results.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.search_groups (keyword='artificial intelligence')
```

Parameters `keyword` (*str*) – Search keyword like python,machine learning

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.27 Groups Results

It fetches data on group search results page.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.groups_results ()
```

Returns {"body": [{"Group Link": 'Group Link', 'Title': 'Title', 'Members': 'Members'}], "success_score": "100", "errors": []}

Return type dict

5.28 Join Group

It joins the group passed in `group_link`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.join_group (group_link='https://www.linkedin.com/groups/2066905?lipi=urn%3Ali%3Apage%3Ad_flagship3_search')
```

Parameters `group_link` (*str*) – Link of group which need to be joined

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.29 Get Post

It fetches data of post passed in `post_link`.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.get_post (post_link='https://www.linkedin.com/feed/update/urn:li:activity:6764456234197295104?updateEntityUrn=')
```

Parameters `post_link` (*str*) – Link of post whose data need to be fetched

Returns {"body": {'Time': 'Time', 'Post Text': 'Post Text', 'Profile_Link': 'Profile_Link', 'Likes': 'Likes', 'UserName': 'UserName', 'Bio': 'Bio', 'Comments': 'Comments'}, "success_score": "100", "errors": []}

Return type dict

5.30 Get Comments

It fetches the comments of the post currently opened in browser.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.get_comments ()
```

Returns {"body": [{'User Link': 'User Link', 'Comment': 'Comment', 'UserName': 'UserName', 'Info': 'Info'}], "success_score": "100", "errors": []}

Return type dict

5.31 Click Load More

It clicks on click more on the comments page currently opened in browser.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.click_load_more ()
```

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

5.32 Posts Links

It fetches the links of posts on content search results page.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.posts_links()
```

Returns {"body": [{"Link": 'Link'}], "success_score": "100", "errors": []}

Return type dict

5.33 Login Cookie

It will login to linkedin via your cookies.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.login_cookie(cookies=[{'domain': '.linkedin.com', 'expirationDate': 1676524503, 'hostOnly': false, 'httpOnly': false, 'name': '_ga', ...}])
```

Parameters **cookies** (*str*) – list of cookies of linkedin

Returns {"body": {}}, {"success_score": "100", "errors": []}

Return type dict

5.34 Accept Invitation

It accepts first invitation on invitation page

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.accept_invitation()
```

Returns {"body": {}}, {"success_score": "100", "errors": []}

Return type dict

5.35 Clicknext

It clicks on Next button on search results page.

body: returns data

success_score: api success rate

errors: errors encountered in api

Here is the code:-

```
linkedin.clicknext()
```

Returns {"body": {}, "success_score": "100", "errors": []}

Return type dict

OTHER FUNCTIONS

You can use basic functions which selenium provides with this library like opening a url, get pagesource, get current url etc. These are the functions:-

6.1 Open

It will open the url provided in the argument.

```
linkedin.open(url)
```

Parameters `url` (*str*) – Link which need to be opened

Returns {}

Return type dict

6.2 Get Page Title

It returns the title of page opened.

```
linkedin.get_page_title()
```

Returns {"pagetitle": "Linkedin"}

Return type dict

6.3 Get Page Source

It returns the pagesource of page opened.

```
linkedin.get_page_source()
```

Returns {"pagesource": "pagesource"}

Return type dict

6.4 Get Current Url

It returns the pagesource of page opened.

```
linkedin.get_current_url()
```

Returns {"url": "url"}

Return type dict

6.5 Reload

It reloads the page opened.

```
linkedin.reload()
```

Returns {}

Return type dict

6.6 Keypress

It perform the keypress passed.

```
linkedin.keypress(key)
```

Parameters **key** (*str*) – Key which need to be pressed, e.g pagedown, arrowleft, enter

Returns {}

Return type dict

6.7 Scroll

It scrolls to the end of page.

```
linkedin.scroll()
```

Returns {}

Return type dict

6.8 End

It ends the linkedin session and close the automated chromedriver.

Note: You will need to create linkedin object again after `end()`.

```
linkedin.end()
```

Returns {}

Return type dict

6.9 Quit

It quits the datakund application running in background.

Note: You will need to import datakund library again to start datakund application.

```
linkedin.quit()
```

Returns {}

Return type dict

B

built-in function

- linkedin.accept_invitation(), 20
- linkedin.click_load_more(), 19
- linkedin.click_next(), 13
- linkedin.clicknext(), 21
- linkedin.comment_on_post(), 15
- linkedin.companies_results(), 17
- linkedin.end(), 24
- linkedin.enter_job_location(), 11
- linkedin.follow_company(), 12
- linkedin.get_comments(), 19
- linkedin.get_company_profile(), 13
- linkedin.get_current_url(), 24
- linkedin.get_feed(), 17
- linkedin.get_job_profile(), 10
- linkedin.get_messages(), 15
- linkedin.get_page_source(), 23
- linkedin.get_page_title(), 23
- linkedin.get_post(), 19
- linkedin.get_profile(), 13
- linkedin.groups_results(), 18
- linkedin.jobs_results(), 14
- linkedin.join_group(), 18
- linkedin.keypress(), 24
- linkedin.login(), 9
- linkedin.login_cookie(), 20
- linkedin.open(), 23
- linkedin.open_connections(), 15
- linkedin.people_results(), 14
- linkedin.posts_links(), 20
- linkedin.posts_results(), 14
- linkedin.quit(), 25
- linkedin.reload(), 24
- linkedin.scroll(), 24
- linkedin.search(), 9
- linkedin.search_companies(), 17
- linkedin.search_groups(), 18
- linkedin.search_jobs(), 10
- linkedin.search_people(), 10
- linkedin.search_posts(), 11
- linkedin.send_connection(), 12

- linkedin.send_message(), 11
- linkedin.send_message_by_name(), 16
- linkedin.unfollow_company(), 12
- linkedin.upload_content(), 16

L

- linkedin.accept_invitation()
 - built-in function, 20
- linkedin.click_load_more()
 - built-in function, 19
- linkedin.click_next()
 - built-in function, 13
- linkedin.clicknext()
 - built-in function, 21
- linkedin.comment_on_post()
 - built-in function, 15
- linkedin.companies_results()
 - built-in function, 17
- linkedin.end()
 - built-in function, 24
- linkedin.enter_job_location()
 - built-in function, 11
- linkedin.follow_company()
 - built-in function, 12
- linkedin.get_comments()
 - built-in function, 19
- linkedin.get_company_profile()
 - built-in function, 13
- linkedin.get_current_url()
 - built-in function, 24
- linkedin.get_feed()
 - built-in function, 17
- linkedin.get_job_profile()
 - built-in function, 10
- linkedin.get_messages()
 - built-in function, 15
- linkedin.get_page_source()
 - built-in function, 23
- linkedin.get_page_title()
 - built-in function, 23
- linkedin.get_post()
 - built-in function, 19

linkedin.get_profile()
 built-in function, 13

linkedin.groups_results()
 built-in function, 18

linkedin.jobs_results()
 built-in function, 14

linkedin.join_group()
 built-in function, 18

linkedin.keypress()
 built-in function, 24

linkedin.login()
 built-in function, 9

linkedin.login_cookie()
 built-in function, 20

linkedin.open()
 built-in function, 23

linkedin.open_connections()
 built-in function, 15

linkedin.people_results()
 built-in function, 14

linkedin.posts_links()
 built-in function, 20

linkedin.posts_results()
 built-in function, 14

linkedin.quit()
 built-in function, 25

linkedin.reload()
 built-in function, 24

linkedin.scroll()
 built-in function, 24

linkedin.search()
 built-in function, 9

linkedin.search_companies()
 built-in function, 17

linkedin.search_groups()
 built-in function, 18

linkedin.search_jobs()
 built-in function, 10

linkedin.search_people()
 built-in function, 10

linkedin.search_posts()
 built-in function, 11

linkedin.send_connection()
 built-in function, 12

linkedin.send_message()
 built-in function, 11

linkedin.send_message_by_name()
 built-in function, 16

linkedin.unfollow_company()
 built-in function, 12

linkedin.upload_content()
 built-in function, 16