
linkedin-api-datakund

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datakund

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INTRODUCTION

`bot-studio` 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 bot-studio`

IMPORT BOT-STUDIO

```
from bot_studio import *
```


CREATING OBJECT

```
linkedin=bot_studio.linkedin()  
or  
linkedin=bot_studio.linkedin(headless=True,....)
```

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

4.1 Browser Options

Option	Default Value	Description
headless	False	Can set it to True if wants headless
proxy	No proxy	Pass proxy value e.g 98.0.2.5:4000
profile_path	creates temporary profile	Pass profile path e.g C:\Users\username\AppData\Local\Google\Chrome\User Data\
user_agent	No user agent	Pass user agent e.g python 2.7", "platform": "Windows
download_folder	Downloads in default folder	If want to set download directory to custom e.g E:files\

FUNCTIONS

bot-studio 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=BLENDED_SEARCH_RE
```

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_srp')`

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=urn')`

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 bot-studio application running in background.

Note: You will need to import bot-studio library again to start application.

`linkedin.quit()`

Returns {}

Return type dict

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