**DSA**

Drop Shipping Automation

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| Tools | Version/Comment |
| Spring | 4 |
| Hibernate | 3 |
| Web services | REST API |
| pyCharm | 1.4 |
| Python | 3.6.3 |
| Eclipse | Oxygen 3A |
| AWS | EC2, BeanStalk, RDS and CodeStar |
| GitHub | Gitbash |
| Selenium webdriver for python | 3.1 |
| BeautifulSoup for Python | 4.4 |

**Summary**

AI automation in supply chain domain has its advantage in reducing man power hence by-producing a substantial revenue.

**Project work flow**

***Master branch URL:***

<https://github.com/Raj-kishore/DSAutomation/tree/master>

Using Selenium web driver or BS4 library Python API, you need to scrap through each products in a given range. Then you need to extract data from it in JSON or REST API. You need to push it to github URL in your branch or fork the repo and pull request.

The website front and backend has to be developed in Java EE with Spring MVC, Hibernate with RESTful webservices.

The website will be deployed in AWS BeanStalk.

Every day the a crawler written in Python should crawl through the listed products on Aliexpress.com ,update the prices and push it to gitHub. Those price updates will also be pushed to AWS RDS those will in the end be fetched back to the JSP page.

The orders details will be updated in a excel sheet and those will be sent to respecting merchant manually and a response messages will be auto processed to the buyers.