



ORANGE LABS

## Software Engineering Interns - Job Description

### About Orange Labs

We are a Blockchain services and products company. We are building a B2C product for blockchain space. We are in stealth mode and are well funded from the VCs in web3 space. We are hiring software engineering interns to help us contribute to the core protocol of our product. Our tech stack is Golang and Typescript. The services that interns will work on will be written in Typescript. Mentorship and learning resources will be provided.

### Requirements to Apply

1. 3rd/4th year or graduated students only.
2. Have done at least one internship with solid work. More internships is better.
3. Have built backend applications in Javascript/Typescript
4. Experience with scraping/automation tools is a plus but not needed

### Responsibilities

1. Owning a product design & development end to end
2. Build, test, launch and maintain a product during the duration of internship
3. Think holistically on good design, scalability, code quality and documentation
4. Ship every week!
5. Ability to work independently

Stipend - 40,000 INR per month

Duration - 3 months. Can extend more on performance

Joining - Immediate

Location - Gurgaon/Remote

PPO Offers will be made to exceptional interns with a CTC of 10-15 LPA

If you are interested please complete following assignment and fill this form -

<https://forms.gle/7JpcLdPCkESJbeW26>

### Assignment

Basic automation using Puppeteer

The task entails automation of user actions on a website using Puppeteer library.

1. Create a new project using Javascript/Typescript in NodeJS
2. Integrate puppeteer library

3. Use puppeteer to
  - a. Launch headful browser and go to <https://swap.defillama.com/>
  - b. Fill the form
    - Enter "Arbitrum One" in the "chain" field
    - Enter "12" in "You Sell" field
    - Enter "WBTC" (Wrapped BTC) in the "select token" field on right hand side to "You Sell" field
    - Enter "USDC" (USDC Coin) in the "select token" field in "You Buy" section
    - Once you enter this data, a section will appear on right hand side called - "Select a route to perform a swap"
    - Select the second option in this section
4. Leave the browser window open. This is the end of the program.

Please provide a Github link to your program with a well written README file so that we can read it and understand how to run/test your program.

Evaluation Criteria (in the order of priority)

1. Does the program work as expected?
2. Does the program work consistently and is it bug free?
3. Additional points for implementing SOLID and OOPs principles. Fee free to over-engineer and show off your knowledge
4. Is code quality good? Is documentation good? Can another engineer read code and documentation and understand the code easily?