

Python Internship Technical Problem Solving RPA Labs

We are delighted to know about your interests in RPA Labs. And we are more excited to proceed with this Technical Problem Solving Round.

Guidelines

- Solution Time is **72** hours after release of question to candidate.
- We expect a solution in the github repository with a runnable script.

Criteria / Judgement Points

- Code Quality, Generic and scalability
- Software Principles
- No over engineering

What we are looking for

- Aspiring Developer
- Have their basics right
- Can create useful rather than fancy solution
- Can assume requirements which will benefit product

Response Time

After your submission, our team will evaluate your code and problem solving. You will be called for a personal interview round (which will be technical) if we love your solution. In case we are not on the same page with your solution, please consider it as we are not moving

forward with you this time. You can expect 24-48 hours time for personal interview round email if selected.

Message from Hiring Committee

We have really high expectations from our candidate, following which this position will look for a very strong candidate with an overall skill set. So, if you are not considered for next rounds, don't feel bad as this is how our hiring process works and they are meant to be tougher than industry standard for internship positions. And we expect something extraordinary from you.

Contact Details

Submission : After completing your task, mail your solution github link and other info you want to mention at drishya@rpalabs.io, prashanna@rpalabs.io, sushrant@rpalabs.io

Problems: If you have any doubt about problem or technical aspect, reach out to sushrant@rpalabs.io

Details : If you are unsure, whether to proceed and want more clarification regarding position please shoot your question to drishya@rpalabs.io, prashanna@rpalabs.io

Note: emails in comma denote "and", all emails are mandatory and not optional.

Please find your question below and we wish you all the very best.

Question : Create a web application backend in any of your desired framework of python which should be having

- An api endpoint to receive video file
- Add validation in length, type and size of video file
- The video cannot exceed 10 min of length, 1GB of size and it should be either mp4 or mkv
- Another api endpoint which can respond with a list of videos being uploaded.
- You are free to add filters like get the video uploaded in a particular date, or size range. We leave this creativity to you.
- Treat this application like a video storing application, so also add one another api which will take video size, length and type as input, do validation and return charges to the user as applicable.
- Charges : 5\$ for video below 500MB and 12.5\$ above 500MB. Additional 12.5\$ if the video is under 6 minutes 18 second and 20\$ if above.

We have no strong opinion on any framework you can use your favorite framework or library as long as your solution is excellent. We will appreciate comments in your solution and other features you want to implement.

Best wishes !!!

Note : RPA Labs is not forced to choose, consider, favor anyone regardless of their past for this position and the decision taken by the hiring committee in any round will be the final decision. This question is purely curated for the position and we do not entertain any discussion regarding it.