Technical Assignment.

For the role of Software Developer.

Emerging technologies, require a certain amount of exploration and experimentation before their true use cases can be discovered. Our vision is to empower enterprise using drones. However at this point in the technological adoption cycle, the true value proposition is still an unknown. Therefore, we get to do the exploration and experimentation that will hopefully come to define enterprise drone use cases.

As a developer, this is a very exciting environment to work in. As the ideas roll in, tools and prototypes have to be built, and demos have to be presented. You will have to help the drone operators optimise their planning, write a script for the GIS technicians to figure out the statistics about the dataset they are processing, and automate all the pipelines so that the web team can deliver all the insights we have derived on our web platform. Then you can take a lunch break.

We are looking for the kind of person that loves writing scripts for the most inane things. Someone who is not intimidated by having to learn a new tool for the sake of a new task. Someone who loves creating seamless automated workflows. Someone who can hack together a quick fix for a problem, and then later convert it into a full fledged robust tool/product. Someone who derives pleasure in doing a task, and doing it right.

You will get to learn new things across domains, experiment and iterate on different value propositions and build plenty of small self contained solutions, and if you're lucky, an enveloping layer that covers all those tools, and makes everyone's life that much easier.

It's not necessarily the easiest, but it certainly the most rewarding.
If this sounds like something you'd be interested in, then go ahead with the assignment. I look forward to hearing from you.

Warm regards,
Samarth Hattangady
Author, *Technical Assignment. For the role of Software Developer.*

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A zip file should be attached with the email that you received this PDF with. So in case you didn't receive a zipfile, this isn't a PDF, or anything else feels amiss, get in touch with the concerned authorities. That should contain all the details required.

You are free to choose any of the following languages for your submission: C/C++, Java, Python, Go, JavaScript, PHP. If you want to use another language get in touch with us before proceeding with the assignment.

The assignment that you have been given is fairly representative of one of the easier tasks that you will be getting as a developer at Skylark. It intentionally includes things that you may not have experience with, but overall is still fairly straightforward.

With this kept in mind, here are some of the factors that the submission will be judged on.

We will be looking to see how well you have understood the problem from a real world point of view. No input data is ever perfect, and foreseeing possible edge-cases, problems and bugs is an important skill, especially when you're going to be jumping domains and developing tools for everyone. We will also be looking for good code. Code that is clear, concise and documented. Great code is something that we all strive for, and at least for me, it looks like it's going to be a long journey.

We also want you to keep track of how long it took you to solve this problem. Don't cheat on this. I don't like cheaters.
We expect you to upload the code on a private git repository on gitlab or bitbucket.

I hope you enjoy doing this assignment. Waiting to hear from you.

Yours faithfully,
Samarth Hattangady
Author, *This PDF*