**M Gmail**                                      **Shrinath Gupta <guptashrinath9@gmail.com>**

## Internship at Headstrait Software
2 messages

**Dilesh Tanna** <dilesh.tanna@headstrait.com>                     24 September 2021 at 17:48
To: guptashrinath9 <guptashrinath9@gmail.com>

Hi Shrinath!

Thanks for expressing your interests in interning with us at Headstrait Software. Here, we are constantly looking for great minds to join our teams and work on e2e projects in an exemplary manner. As discussed earlier, we have many openings across various technical stacks, and you will be applying for a full stack developer intern position. Please note that this is a paid internship and comes with a full time employment opportunity upon your graduation, based on your performance in the first few months of the internship and to be eligible for this role, you will need to complete the exercise that I have described in this email and to do that, you will have 3 days. I hope to see a response from you by Monday 5 PM (27/9/2021). Feel free to reach out to me for any queries.

## Exercise:

As a full stack developer, you need to develop an application for managing your contacts. The application may support as many features possible from the below list:
    ● Wireframes - Low/High fidelity wireframes to create the designs for your application. You can use any tool like Figma, AdobeXD or simply, a pen and a paper.
    ● Front end – Your application must have a good-looking user interface that can accept the user's input for their contact details and must support basic validations.
    ● Back end – A server is essential to complete any application. For this exercise, you can choose a backend framework and a DB of your choice.
    ● Deployments (Optional) – Once your application is ready, you can choose an existing cloud provider to deploy your application for public use. You can package and deploy your application using your preferred cloud service provider. This step is optional and it will not reduce your chances of getting selected for this role, but will definitely increase them.

## Tasks

● Design an interface that has a form to capture phone number, first name and last name of your contact.
● Use the designs to build the application front-end using any popular front end library/framework such as React.js, Flutter, Angular, etc.
● Capture data from the form created in the above step and store it in any kind of a storage service like a DB or a flat file using any popular back end library/framework such as Node.js, Flast, Django, Spring Boot, etc.
● Retrieve all the stored data and display it on the front-end i.e., create a table to display all of the user's saved contacts.
● Compile the application and package it (if required).
● Deploy it to a hosted server using Cloud Service Provider like AWS, GCP, Heroku, etc. (optional)

Your application could be based on web/mobile/both.

All the very best to you!

Thanks and regards,
Dilesh Tanna

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