Stark Bank Back End Developer Trials

Welcome developer!

This challenge is an opportunity for you to prove that you have what it takes to join our ranks. More than coding skills, we aim to gather those who can learn new abilities on the fly to quickly and independently tackle any of the technical challenges that will certainly occur on our journey towards financial greatness.

This test will attempt to put you in situations you have not yet faced, forcing you to learn whatever is necessary to get the task done.

Once you are done, you can send an email with all relevant information to developers@starkbank.com and daniela.pellegrino@starkbank.com. If you desperately need help to clear any doubts you face, you can also talk to us on the same address, but use this with caution...

That's all for presentations. Now, let's move on to the challenge that awaits you:

The Challenge

Deadline

You have until seven days from now to deliver your answer.

Task

You will receive an invitation to join a Sandbox account in your email as an Admin. Create a Project and Webhook endpoint for that account and develop a simple app integration using whichever language you prefer that:

1. Issues 8 to 12 Invoices every 3 hours to random people for 24 hours (our Sandbox emulation environment will make sure some of those are automatically paid);
2. Receives the webhook callback of the Invoice credit and sends the received amount (minus eventual fees) to the following account using a Transfer:
    a. bank code: 20018183
    b. branch: 0001
    c. account: 6341320293482496
    d. name: Stark Bank S.A.
    e. tax ID: 20.018.183/0001-80
    f. account type: payment

When you finish your app, publish your code to a public repository (such as GitHub or GitLab) and send an email to developers@starkbank.com and anna.amorim@starkbank.com with the link so we can take a look at your code.

You should receive an email from us in up to one week with our evaluation and, if all goes well, an invite for a chat.

Evaluation

Upon completion, you will be evaluated based on the following criteria:

1. How much have you learned during the trial?
2. How well does your code run? Did you create unit tests or did you leave bugs hidden in your code?
3. How much did you rely on us to help with technical issues you face? Less is better!
4. How readable and efficient is your code?
5. How quickly did you deliver the finished task? Good code is better than quick code, but if you can score on both ends, we will be impressed.

Bonus points if you:

- Deploy part or all of your application in the cloud (there are free tiers and trial periods for Google Cloud, AWS and Azure available if you want)
- Find issues on our public code or API, such as bugs, security issues and so on.

Tips

1. Take a look at our [page](#) to learn more about us and to locate relevant resources!
2. Our SDKs and public libraries are available in several languages, and we highly recommend using them.
3. There are several other free applications which you can use to help develop your app, such as [Postman](#), [webhook.site](#), [ngrok](#), Feel free to use whatever tools are available at your disposal.

This is it! Have fun and good luck. We hope to hear from you soon!

Sincerely,
Stark Bank Developers and HR.