Crypto.com - Banking Service - Senior Software Engineer (Golang)

Seline Fung <seline@crypto.com>   13 June 2025 at 09:00
To: Lau Teck Wei <twlau1994@gmail.com>

Hi Teck,

As a next stage we would like you to complete the Coding Test attached.

Please aim to submit the solution in 72 - 120 hours.

If you're unable to complete the challenge within the target time frame, feel free to ask for more time.

Coding Test

Please submit your code by Github Public Link.

> 1. What we like you to do

write backend code for a Wallet Apps that behaves as follows:

User Story

> 1. User can deposit money into his/her wallet
>
> 2. User can withdraw money from his/her wallet
>
> 3. User can send money to another user
>
> 4. User can check his/her wallet balance
>
> 5. User can view his/her transaction history

RESTful API

> 1. Deposit to specify user wallet
>
> 2. Withdraw from specify user wallet
>
> 3. Transfer from one user to another user
>
> 4. Get specify user balance
>
> 5. Get specify user transaction history

Mandatory

- language: Go (preferred), Ruby
- Database: PostgreSQL
- In-memory Database: Redis (if needed)

other then the mandatory part, feel free to use anything you like

Others

- it's a centralized wallet, not related to on chain implementation.
- the Wallet App should keep track of all the users and wallets it contains
- No UI interface is required

2. How we mark your solution

- Be written in Go or Ruby
- Have quality tests
- Include a readme
  - explaining any decisions you made
  - how to setup and run your code
  - highlight how should reviewer view your code
  - areas to be improved
  - how long you spent on the test
  - which features you chose not to do in the submission
- How does it satisfy functional and non-functional requirements
- Does it follow engineering best practices?
- The simplicity of your solution

3. Other advices:

- Consider planning how you will solve the problem up front
- Keep it simple, Less is more
- Let us know if you have any questions before you start
- Keep your code well organized, formatted, linted
- Handle errors well
- Feel free to ask for more time
- Enjoy the test!!

*Please be reminded that the test is confidential and DO NOT share under all circumstances.

Seline

On Thu, Jun 5, 2025 at 3:52 PM Lau Teck Wei <twlau1994@gmail.com> wrote:

This Message Is From an Untrusted Sender
You have not previously corresponded with this sender. Ensure sender's authenticity before opening attachments, clicking links, or responding.

Hi Seline,

I would be free to do the test next weekend 13 June 2025 to 15 June 2025 (72 hours).

What might the test be about?

Regards,
Teck Wei

On Thu, 5 Jun 2025 at 13:49, Seline Fung <seline@crypto.com> wrote:

Hi Lau,

Hope you are well. Thanks for your interest in Crypto.com [t.lever-analytics.com]!

To kick off the hiring process, we would like to proceed your application to an offline technical assignment for the Mainapp team where 72-120 hours are granted to you. We will only send it to you after confirming your availability.

Please let us when will be a good time for you to start the test.

Please refer to our meeting guide for more information about your upcoming interview.

Feel free to visit our official website, LinkedIn and Twitter page for your information.

- Crypto.com [t.lever-analytics.com]
- Linkedin [t.lever-analytics.com]
- X [t.lever-analytics.com]

Looking forward to speaking with you!

Best Regards,
Seline
Crypto.com

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