Bitshares Worker Proposal

Bitshares GUI Developer

Proposal #4

My previous worker period ended in September, and since then I've worked a bit on Steem as well as directly for Openledger and BitKapital. I'm now a full-time freelancer which means I can dedicate some more time to working on Bitshares than I could in the past. I'm also a far more accomplished developer in general, and I feel it is time to come back to **graphene-ui** in order to help make Bitshares more accessible and easy to use, to fix some of the outstanding bugs, and to improve things that I just didn't know better how to do the first time around.

For this worker period, also lasting **3 months**, I intend to work on the following:

1. Move **graphene-ui** to the Bitshares organization on Github
   a. I will also move any sub-projects used by the wallet that are under my control to the same organization, this includes **graphenejs-lib** and **graphenejs-ws** which will also be renamed.
2. Perform a major clean-up in the code and upgrade the framework and packages used. I've actually already started doing this, and it is mostly complete. This has enabled me to add ES6 code splitting among other things, which has greatly reduced the size of the initial javascript bundle.
3. Overhaul the "market engine". I've learnt a lot since I built the original market engine code, and I've recently coded a set of javascript classes inspired by the bitshares-2 C code that greatly simplifies and improves the handling of market order creation among other things. I intend to apply these classes to the **Exchange** interface, with the goal of improving performance and hopefully eliminating rounding errors.
4. Replace **highcharts** with **react-stockcharts**. This is also something I've already played around with, and I have a working implementation of this. This will:
   a. Improve charting performance
   b. Add advanced charting tools (standard lines, fibonacci, etc)
5. Fix bugs. There are still bugs around, I will go through the open issues and fix what I can.
6. Optional idea #1: add a backend framework allowing us to define Dashboard markets on the server side. This is something I've wanted to do for a while, it should give us some needed flexibility in terms of marketing assets.

This is of course just a list of things I can think of right now, if I manage to complete all of these before the 3 months are up I will find some more things to do, as there are plenty of cool things that can be done for GUI.

The payment for this worker is set to **50k BTS per day.**

Proposal #3

After wrapping up my second worker at the end of May, I've taken some time to reflect on what I want to do going forward. The recent announcement of Steem by Dan Larimer has caused a certain amount of doubt and controversy as to the future of Bitshares. While Dan is a genius blockchain developer, I feel it is for the better that he has retired from the "leadership" of Bitshares as this will allow the community to take a more active part in the direction of Bitshares. There are many entrepreneurs building things for Bitshares and taking advantage of the amazing technology that Dan has built, and I personally still see a lot of potential in Bitshares. That's why I have come to the conclusion that I would like to keep working on improving the wallet and offering my services to the Bitshares community.

My previous period of 2 months was spent on, among other things, adding a trollbox, overhauling the deposit/withdraw pages and improving the new user experience when creating accounts and wallets. For this period I would like to work on improving the inner workings of the wallet, making things more robust and modular, and providing some tools for other developers to work with Bitshares in JavaScript without having to deal with the mammoth that is the current graphene-ui repo. This means splitting out code into distinct modules that can be reused elsewhere.

In a fit of inspiration I've already started this process by extracting the websocket RPC library as well as all the crypto functions into a NPM module. This module is already live on NPM and can be used by anyone who wants to build a new wallet, or build a Bitshares trading bot in Node.js for example. As part of this worker proposal I intend to keep improving this library and to provide basic and advanced examples to show how it can be used.

https://www.npmjs.com/package/graphenejs-lib

Another candidate for extraction is the wallet handling itself.

I will be making new releases of the GUI on a regular basis, but more like every two to three weeks instead of once per week. I will try to make release posts on Steemit like I have done the last few releases:

https://steemit.com/bitshares/@svk/4tlyyw-bitshares-gui-release-2
https://steemit.com/bitshares/@svk/3syrh1-bitshares-gui-release-2
https://steemit.com/bitshares/@svk/bitshares-gui-release-2
https://steemit.com/bitshares/@rainman/bitshares-gui-release-2

This proposal starts on the 12th of June and runs until the 12th of September, with a pay of 35k BTS and vesting period of 7 days. It. Thanks for your support

Proposal #2

During the three months of my first worker proposal I have been working more than I anticipated, fixing bugs and refactoring large parts of the GUI. The most visible part of this has perhaps been the evolution of the Exchange page, which has seen some major changes and is now in a pretty good state. Thanks to all the community members who gave feedback and helped iterate towards a better product. Github won't show statistics for more than a month, but I can see I've made >100 commits only in the last month, averaging over 3 commits per day. I hope you agree that the GUI has come a long way since December!

However, some of the things I originally wanted to do I've not even had the time to do yet, but they're still part of the plan. This includes the trollbox and a move to a new plotting library. As I'm still motivated to work on the GUI and positive about the future of BTS, I'm making a second worker proposal that will allow me to keep improving the GUI and help make BTS a success. Part of my focus over the next months will be on simplifying the experience for new users.

This second worker proposal will run for two months, with a pay of 25k BTS and vesting period of 7 days. It starts on the 21st of March and runs until the 21st of May. Thanks for your support,

svk

Proposal #1

The Bitshares 2.0 GUI has up until now been developed primarily by Cryptonomex, to which I've been attached through a verbal agreement of payment in the form of stock options in CNX the company. As CNX grows, its focus will inevitably move to things beyond Bitshares, with the risk that the Bitshares GUI will be deprioritized. Bitshares is where my focus lies however and it's what I would like to keep working on.

I've talked this over with Bytemaster and we both agreed it would be better for Bitshares to have someone independent of CNX working on the GUI, and I hope to be that person.

I therefore propose my services as a GUI developer working directly for Bitshares instead of CNX. If my worker proposal is accepted, I will no longer receive any compensation from CNX.

This proposal will last for 3 months, starting monday the 21st of December 2015. The suggested pay is the equivalent of $2000 per month at a BTS price of 0.0035 USD/BTS, which is slightly below today's rate but above the recent average.

This worker proposal is intended to fund my continued work on the Bitshares GUI, of which I am currently the main contributor. I will be handling the following tasks:

1. Github repo maintenance: tracking issues, reviewing and merging Pull Requests
2. Work with Bill Butler on milestone development
3. Implement new and missing features
4. Fix bugs!

Some specific things that I would like to implement in the short-term are:

1. Replace Highstock charts with react-stockchart (http://rrag.github.io/stockcharts-demo/)
2. Add a trollbox to the Exchange

References: Daniel Larimer,James Calfee, Valentine Zavgorodnev, Fabian Schuh, Bill Butler, @cass

Sincerely,

Sigve Kvalsvik
@bitsharesblocks / dev.bitsharesblocks (bts)
@svk (bitsharestalk)
@svk31 (github)

If you're unaware of who the developers of the GUI are, see the below link and screenshot. As you can see, I'm currently topping both number of commits and lines of codes to the GUI. Many features were almost exclusively developed by me, such as the Block Explorer (minus Fees page), the Exchange and anything to do with markets and margin positions, asset creation and updating, etc. While I will not be working full time, I haven't been doing that up until this point either and I don't think anyone can argue with my output.

https://github.com/cryptonomex/graphene-ui/graphs/contributors

svk31 #1
779 commits / 49,601 ++ / 33,677 --

jcalfee #2
684 commits / 30,745 ++ / 19,487 --

valzav #3
488 commits / 48,062 ++ / 26,428 --

rngl4b #4
187 commits / 2,071 ++ / 873 --

AlexChien #5
138 commits / 5,345 ++ / 1,809 --

bytemaster #6
131 commits / 6,632 ++ / 4,281 --