Job Description for Reuben

Specific Responsibilities (roughly in chronological order):

1. Implementing an optimal trade execution engine and integrating it into Onn’s server
   1. Building an incremental trade execution algorithm. I would probably design the algorithm myself, and then Reuben would work closely with me and Onn in order to integrate it with Onn’s server, make sure it is compliant with the DTC protocol, and if necessary, expose it through a GUI.
   2. If it is not already being handled by someone else, helping out with an order routing algorithm
   3. Making necessary currency conversions in the case that the base currency of an exchange is not USD. For example if a trade requires routing the order from USD->BTC->ETH or USD->EUR->ETH, this algorithm would make the intermediate orders and execute the withdrawals/deposits, or alternatively perform this conversion internally using accounts in alternate currencies
2. Building out the data server that Onn has been developing
   1. Translating my code that interfaces with Bitstamp and BTC-e (and maybe Bitcurex or CampBX) from Java to C# so that it can be integrated with Onn’s codebase
   2. Writing an additional interface with an exchange such as SURBTC that has a different base currency
3. Helping me launch the arb fund.
   1. Making sure the data pipeline that feeds into the R script is solid and reliable
   2. Connecting the output of the model generated by the R script to the java client
   3. Moving the java client to a stable server
   4. Gradually (but quickly) increasing the average trade size of the algorithm over time, and overcoming any challenges that entails
   5. Slowly increasing the frequency of the trading system over time, and overcoming any obstacles that entails
   6. Further in the future, potentially helping me develop a more sophisticated back-tester that uses higher resolution data and/or order book data
4. In the long term, helping to generate and execute new ideas for both the Arb fund and the mother fund

General Role and Responsibilities:

Reuben will be working with me as a partner in my role with Consensys Capital. I believe the breadth and depth of his programming expertise and overall financial and technical intelligence will be a major help in ensuring our success. My current plan is that any tasks that I would like to work on, or that you (James) would like me to work on for Consensys Capital, would be potentially delegated to him. At the same time, I would want to defer to him on certain technical matters, and will remain open to ideas he has that conflict with mine .

My expectation would be that his responsibilities would be closely aligned with the responsibilities that you had in mind for me, and we would be considered a team. For example, I plan to be working on the majority of the above tasks as well, with the exception of any C# code and heavy-duty web programming (I have some experience with both of these, but he has much more). One suggestion I had for formalizing this team is that I could create an LLC where he would be a limited partner, which may simplify things on your end. For example, Consensys Capital would only have to negotiate with a single entity. I am not sure if that would dovetail with your ideas for funding structure of the fund, and I am open to whatever you think is best. But I just wanted to make a suggestion for how that might work.