D3 2017 Hackathon – Idea Submission

Please provide your inline response to the following questions.

1. What are you going to make? Please provide a high-level overview and indicate what is new in the idea?

A decentralized news network backed by incentives for individuals to create, review, and consume news. The primary innovation of blockchains is a verifiable and cryptographically secured global ledger that can lead to new types of incentive structures. Developers can take advantage of the Ethereum blockchain to build applications that are not only architecturally and politically decentralized, we propose a network in which writers produce news content that is reviewed by fact-checkers(Reviewers) before being published on the network without the risk of being taken down. We label the news item as fake or true and then store them in a decentralized, unalterable system not governed or controlled by any person or group and hence the voted and accepted truth cannot be altered by currently powerful people who have been running their empires by manipulating people and conveying altered information and misrepresented facts to them. Print media and multimedia to maintain employees for genuine information is very costly, very difficult and easily manipulate, if media wants to check a particular information is genuine or fake or to get latest news then they can check thorough TruthChain with less cost. Finally, social media, print media Health care, Finance, Banking and multimedia etc. will deliver original news to all over the world through TruthChain with less cost. TruthChain is a collection of genuine news/information and a platform to eliminate all fake news in the digital world.

* Reader: Every Registered User can view this section
* Writer: Only Writer Privilege users can write Articles.
* Reviewer: Only Reviewer Privilege users can Review Articles.

**Features:**

* False Mining: Truth Chain will continue mine the social media repositories for fake news. It will treat all the information as true false (TF) unless it is validated by Reviewers
* Every piece of true information becomes a trust contract. Hence through the continuous review system, we are auto-generating trust contracts.
* When a piece of information is identified as complete false (CF) it becomes anti-trust contract. Anti-trust contracts can be generated manually and automated way.
* Instead of consensus algorithms, True Chain will use competitive algorithms where competitive game theoretic approach will be used
* The Trust Contract and Anti-Trust Contracts will compete with each other to establish the identity of the information that is feed in the Truth Chain.
  + Trust Contracts: True Articles
  + Anti-Trust Contracts: Fake Articles.

1. Which business vertical or domain does this product fall into?

Health Care, Banking, Finance, Multimedia, Social Media, etc. (Where ever chance of fake news then TruthChain is the solution)

1. How is your idea disruptive and transformative?

* TruthChain is a news platform that combines news creation with decentralized networks as a means to delivering factual content, curated by a community of readers, writers, and reviewers.
* TruthChain will harness the power of the Ethereum blockchain to create an infrastructure that is virtually impossible to infiltrate or take down. Since TruthChain is not centralized, it does not suffer from having a single point of failure.
* The platform’s core purpose is to present news as *accurately* as or hidden agendas, which plague most news corporations. The TruthChain platform will focus on facilitating the dissemination of balanced and factual observation of current newsworthy affairs.
* TruthChain mission is to create news content that is both empowering for its readers, as well as representative of the integrity of its writers. TruthChain aspires to become the most trusted and democratic news alternative to the mainstream media.

1. Is this a client specific problem that was provided by us? If so, please mention problem number.

No

1. Is this an UMA use case? Yes / No.

No

1. Why did you pick this idea to work on?

Problem statement:

Fake news websites (also referred to as hoax news websites) are [Internet websites](https://en.wikipedia.org/wiki/Internet_website) that deliberately publish [fake news](https://en.wikipedia.org/wiki/Fake_news)—[hoaxes](https://en.wikipedia.org/wiki/Hoaxes), [propaganda](https://en.wikipedia.org/wiki/Propaganda), and mis[information](https://en.wikipedia.org/wiki/Disinformation) purporting to be real news—often using social media to drive web traffic and amplify their effect. Unlike news satire, fake news websites deliberately seek to be perceived as legitimate and taken at face value, often for financial or political gain. Such sites have promoted political falsehoods. In most news sites, the community tends to hang at the bottom of articles in comments that serve little purpose.

1. Do you know if people need what you're making?

TruthChain – Aims to eliminate fake information in digital world

1. What substitutes do people resort to because it doesn't exist yet (or they don't know about it)?

Doesn’t exist yet.

1. What is the technology stack that you plan to use?

* Web3js
* Digital Ocean - Cloud
* Nodejs
* Solidity –language (Specially for Blockchain contracts)
* testRPC – (For Testing – In memory Blockchain)
* JavaScript, Html, CSS
* jQuery
* CK Editor
* Express Sessions
* Express Framework
* HandlebarsJS
* Bootstrap
* Socket.io – (web sockets)
* Ethereum Blockchain or private consortium Blockchain

1. You can have the last word!

Some interesting facts which prompts to think about TruthChain

* Facebook the domain of choice for scammers, with more people falling victim to schemes via social media.
* Fake trader scams are increasing, where victims see advertisements for online stores on social media selling discounted products made by well-known brands.
* The joint report from the ACCC and the Australian Cybercrime Online Reporting Network shows 200,000 reports of scams last year, with losses totaling almost $300 million.
* MS Rickard said the two most common social media scams reported were dating, romance and fake trader scams.
* The consumer watchdog's annual scam report also identifies a whopping 47 per cent increase in all reports it receives about scams.
* "Dating and romance scammers trick their victims into falling in love with them and then use their victim's trust to deceitfully take their money,"
* Social media is emerging as the new hunting ground for scammers to find victims, according to new data out today.