

Healing the World with Blockchain Technology: A Chain of Forgiveness

Whitepaper
forgivenet.co.uk

Abstract. As ancient and familiar human paradigms based on fear, aggression, and the drive for singular profit over all other considerations collapse around us, there remain human fields of endeavor seemingly impervious to change. Most prominent of these are technology, engineering, and finance; the very fields on which our species depend. Leaving the future in the hands of greed, narcissism, pathological dishonesty, and predatory aggression is, at best, an extremely bad idea. Yet the trintab that may quietly alter our groping course of destruction could very well turn out to be clear and uncomplicated integrity. The forgivenet offers the world a first, simple, technological step out of hatred and fear. Users request forgiveness from a person, persons, or any viable entity they believe they have hurt in any way. Uniquely incentivizing the unburdening of heavy hearts and minds, each request for forgiveness mines one FRGVN token. With sufficient requests on the blockchain database, forgivenet will release its AI application which maps original forgiveness requests to acceptance for even greater rewards to both parties. Forgiveness is a universal human need. The forgivenet will bring cryptocurrency to the world outside the money markets, and at the same time heal endless human hurts.

Summary

In recent years, alongside the unprecedented proliferation of social media and technological connectivity, the underlying hatred towards the marginalized and vulnerable has become fever-pitched and extremely obvious. The daily violence African Americans have to put up with is no longer glossed over.ⁱ The resurgence of fascist politics across the globe should be worrying us all.ⁱⁱ And girls in the UK, subject to the realization that their bodies are forever owned by pornographic and violent men, now have the option to no longer have female bodies and are exercising it in extraordinary numbers.ⁱⁱⁱ At the same time, voices that never existed before are clamoring for attention. Women, girls, and other marginalized groups report unparalleled levels of abuse^{iv} in daily life, including in schools.^{v,vi} The only thing new about these abuses is that we are hearing about them.^{vii}

More curiously, even though there are always two sides to every one of these experiences, we never hear from the aggressors, as if their multitudes simply don't exist. Who are these shadowy bogeymen? Where are their voices? Is this elephant in the room made up of those

we've known and loved all our lives? Are we perhaps the shadowy bogeymen ourselves? Why is it so terrifying to admit that we ourselves are faulty? If we were able to maturely recognize the problem, and attempt to resolve it where it sits, could we perhaps save the world?

We all know that fear, aggression, and singular profit over all other considerations are motivations all humans share, regardless of our identifying characteristics. None of us has avoided hurting another, intentionally or otherwise and, regardless of the human mind's pathological spasm that denies all personal wrong doing, puts all blame outside ourselves, and emphasizes martyrdom wherever necessary, we all need forgiveness.

The act of forgiving another will never be an option in the forgivenet. "I forgive you", is the ego's voice alone, and so extremely unstable. In contrast, requesting forgiveness is an act of humility, an offer to open dialogue, and a purifying energy exchange. The forgivenet is a humility machine, the first ever spiritual technology. We believe requesting forgiveness should be encouraged and rewarded, and the cold stony silence of aggressors may start to crumble.

We expect the forgivenet to induce incredulity and sneering even, at least in these early days, and certainly prior to involvement of heavy-weight spiritual, religious, healing, new age, political, financial, charitable, governmental, and non-governmental organizations. As the database fills up with requests, it will become clear that forgiveness has its place in the world.

The forgivenet is the first ever spiritual software technology designed with the aim of personal and collective human healing and world peace. It hails the birth of a new field of software engineering endeavor and focus. Like Facebook, no one will know they need it until they get it. Unlike Facebook, we do actually need the forgivenet.

How it works

The forgivenet runs on Solidity smart contracts deployed to the Ethereum network that manage FRGVN token distribution.^{viii,ix} Given the open and inclusive nature of Ethereum and the blockchain space, these contracts, and all the transactions made with them, are public and available for viewing and analysis forever.

The current prototype web application supplying frontend user functionality can be found at <https://forgivenet.co.uk/>. The forgivenet is a registered trademark in the US, UK, and EU. Our partners will receive a license for distributing a given amount of FRGVN tokens in the same way, and are welcome to code their own frontend application that receives forgiveness requests and mines FRGVN tokens, and tailor it to their specific areas of concern such as donations for causes for example.

Using the application, a user makes a textual request for forgiveness from a person, persons, group, organization, or any entity the user believes they have wronged in any way. The application enforces an upper and lower limit on the number of characters in the request.

For the gas price of an Ethereum transaction, plus a small cost to disincentivize bad behavior, the user submits the request and the app publishes it on the Ethereum blockchain, for all to see, forever. In return for this tiny act of courage, requesters receive one mined FRGVN token in return.

Requesting forgiveness is the forgivenet's mining protocol and the first mining protocol in the world that eliminates all associated and well-publicized risks, such as the wanton environmental destruction inherent in Proof of Work, and the problematic wealth hierarchy issues inherent in Proof of Stake. Moreover, anyone can mine crypto again, just like the old days, but we'll make it so easy that even our grandparents can do it.

The act of requesting forgiveness is an act of humility. From such a small gesture towards personal peace of mind, everything is possible. Like tricking children into eating their greens by blending them into smoothies with mango, the forgivenet tricks us humans into healing our minds with cryptocurrency rewards.

The forgivenet has three phases. First, a simple web application, of which the smart contract foundation may be licensed by partners. Second, a new AI smart contract feature which matches forgiveness requests to acceptance for enhanced mining rewards. And thirdly, a fully decentralized system to support FRGVN as a widely-accepted, global currency and a competitor to bitcoin. The last two phases may swap ordering, in terms of which comes first, and this will be dependent on the level of success of the first phase.

Phase 1

The first phase is about fortifying the basic web application, generating interest, building up the database, and using the revenue received from disincentive fees and licensing to put towards the next two phases of operation. The licensing model allocates a number of tokens to an organization for distribution to their community: details in a later section.

At the time of writing, Ethereum transaction fees have made it prohibitively expensive to use the forgivenet in the manner originally intended. However, we are working on keeping the transaction fees down as much as possible and, due to this, it may be that transactions take longer to verify. Users can adjust the transaction fees to Ethereum miners in their own wallets but the state of the network has made non-DeFi innovation somewhat impossible at the moment. It may be that the forgivenet's time will come once the rogue's

casino which is the current state of the Ethereum networks has crashed irrevocably, as it must do. In any case, we can use the time to our advantage to build resilience into the system, and with enough investment maybe implement a layer 2 solution to eliminate the fees before a wider public release. When the crypto winter kicks in, the forgivenet, with its unique pace and lack of interest in getting rich quick, will be ready to generate interest and activity.

Web application features will include a filter layer that scans input text for bad behavior, blocks malicious and spammy requests, and bans malicious user addresses from the application forever.

We plan to log user IPs and other non-identifying info, and impose a time limit on activity, i.e. one request per 24 hours for example. The overall system will impose a limit of seven forgiveness requests per user in total, further incentivizing serious requests. We expect users to use one address only, and we will ban any user found using multiple addresses from the network, and block their original request from future acceptance and enhanced rewards at Phase 2.

We will develop a frontend search functionality against the Ethereum block explorer, and include other data we collect at transaction time, as a first step towards Phase 2. We will also focus on improving the smart contracts by investigating layer 2 solutions and adding functionality that lowers fees on the network whenever Ethereum becomes prohibitively expensive.

The aim is to make the application completely self-sufficient by designing a method that auto-sets the disincentive value relative to the current value of ETH, as well as to the current value of FRGVN, if any. We don't expect FRGVN to assume any value in the short or medium term, if ever, and the work of the forgivenet is complete without this happening. However, we do need to prepare for this outcome. If FRGVN does assume some monetary value, then we need to design a method that evaluates an appropriate ETH value for the FRGVN mining reward, i.e. some fraction of 1 FRGVN.

Infrastructure must be ready to accommodate a large number of requests when interest peaks.

For this, we need to hire a dev ops team who can take care of scaling and system performance.

Another key aim is to make the forgivenet as usable as possible by the widest range of user types. This means a user friendly and haptic interface. The user interface will be available on web and mobile, and ideally hardware devices too. The application targets a global audience, with a focus on including the elderly, sick, and impaired. The app will also function as a wallet by storing FRGVN rewards. Partners may build their own FRGVN wallets for their unique user groups, maybe even as hardware gadgets for users to keep on their persons, such as pendants, bracelets, or rings. We see approaches like these having craze potential.^x

Phase 2

The AI phase of the forgivenet operates initially as a further dis-incentivization mechanism for bad behavior at Phase 1. If you use the forgivenet now, and make a request for forgiveness that is sufficiently well-formed then, in the future, the entity you are requesting forgiveness from may accept the request and both parties will receive even greater mining rewards. To support this functionality, we will need to hire AI/ML specialists and web developers.

Phase 1 and 2 require minimal funding but could generate significant revenue. If that happens, the forgivenet pledges 50% of all profits to charitable purposes.

Phase 2 relies upon significant database entries so work shouldn't begin until we are confident in the application's future.

Phase 3

This phase is the most interesting problem from a software engineering perspective, and maps to the long-term goal of the forgivenet which is to be the only cryptocurrency in use in the world.

At the current time, the two features that the forgivenet lacks that would enable it to operate as a fully decentralized global network, like the Bitcoin network, are a decentralized network decoupled from Ethereum for managing FRGVN storage and transactions, and the transaction verification functionality.

We will design and build a cryptographic network to support mining and transactions of FRGVN tokens. A small number of global management nodes, sitting between the web functionality and the user wallets, will deal with tasking a user at random to verify a transaction with their wallet application. Users receive rewards for verifying transactions and they are therefore incentivized to stay online.

We know that such an endeavor is non-trivial, and that's what makes it exciting and worth working on. Moreover, the verification process on small hand-held devices with minimal memory is similarly non-trivial and exciting.^{xi}

Licensing model

One way to bring the power of forgiveness to the world is by licensing FRGVN tokens to organizations for their own distribution purposes.

For example, an organization licenses 10M tokens for distribution to their community. They receive a smart contract that has those tokens allocated. The smart contract functions in exactly the same way as the universal forgivenet contract but only distributes a limited number of tokens defined by the organization.

The organization may build a donation website, or any other website that functions for raising money. This swaps the disincentive fee functionality for a minimum donation or similar. The user process remains the same. Users request forgiveness, donate a minimum amount, and receive a FRGVN token in return. They also have the possibility of earning more rewards at Phase 2.

Organizations may set the donation minimum at any value they wish.

The forgivenet will ask for 10% of a nominal value of 1USD per token, payable only when the tokens are distributed and money raised by the organization. If an organization sets a minimum of 10USD, say, for each forgiveness request, the nominal value equates to 1% of money raised over all, and in our example, the organization will have raised 100M USD minimum.

One true currency

It's always good to remind ourselves that currency is just a symbol of an energy exchange, i.e. work for food, and no currency has any intrinsic value without the transactions it represents.

The forgivenet allows us to mine FRGVN tokens using the most purified energy exchange there exists between human beings. If FRGVN ends up representing monetary transactions too, then we have built a global society based on love.

Forgiveness is an act of love, and love is the one true currency of human beings.

Team

- Dr K Niramisa: Founder and CEO
- Jack Chardwood: Operations Manager

References

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^{iv} https://en.wikipedia.org/wiki/Me_Too_movement

^v <https://www.bbc.com/news/uk-56558487>

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^{viii}

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^{ix}

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^x <https://en.wikipedia.org/wiki/Tamagotchi>

^{xi} <https://minaprotocol.com/tech>