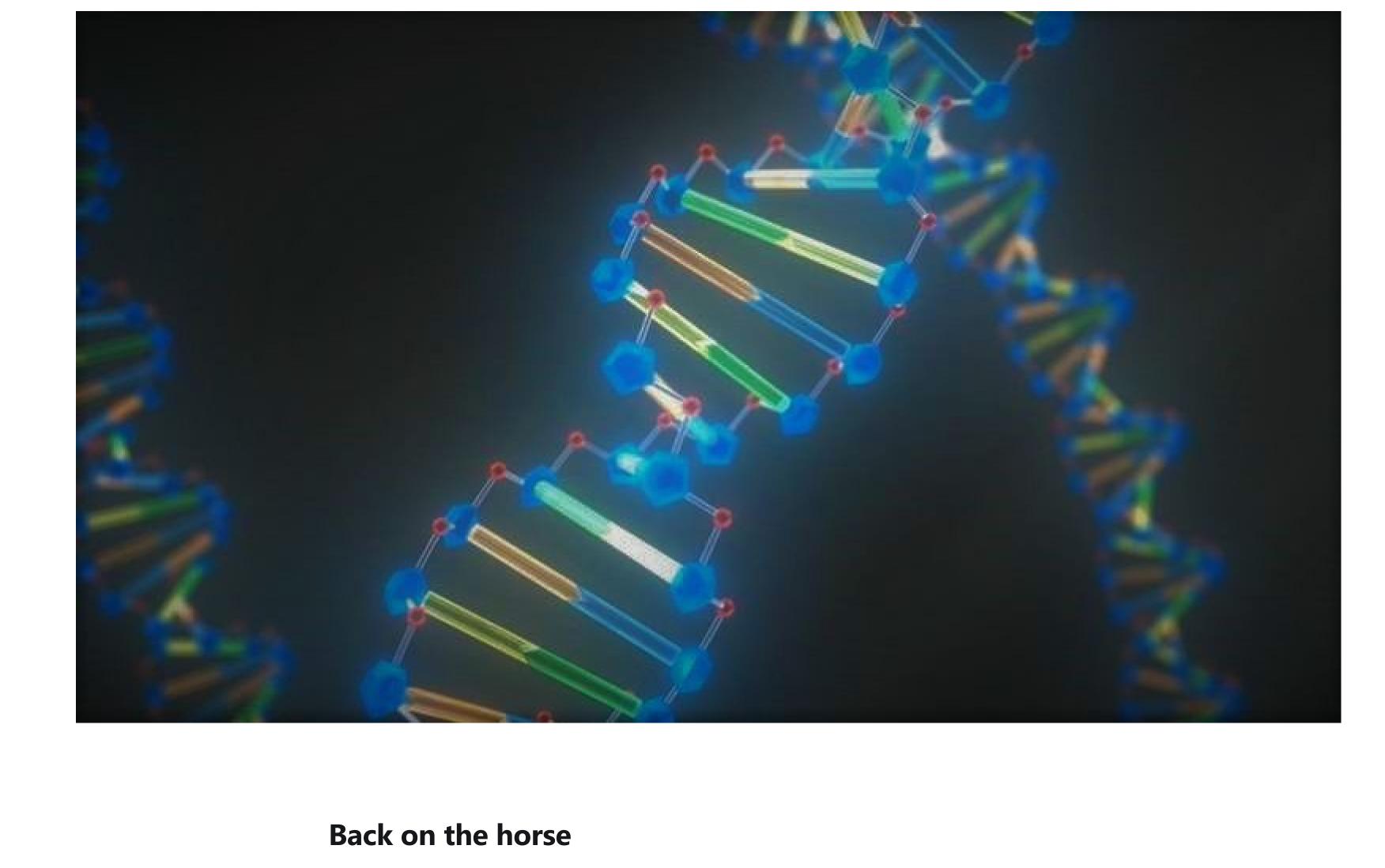
GENETICS

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The 21st Century Epigenomic Revolution

How building an Ethereum-like platform to develop genomic applications is going to revolutionize healthcare... and maybe help me find my biological parents.





Ethereum.

During my adoptive mother's illness, I was left with plenty of time alone with my thoughts, studying Viktor Frankl's works. I pondered about the fate of my biological mum, who chose to have me despite abortion being legal, yet opted for a 'birth under X'.

After 2 years of radio silence caring for my adoptive mother who tragically

suffers from a rare form of Alzheimer's, I am joining an all-star genomics

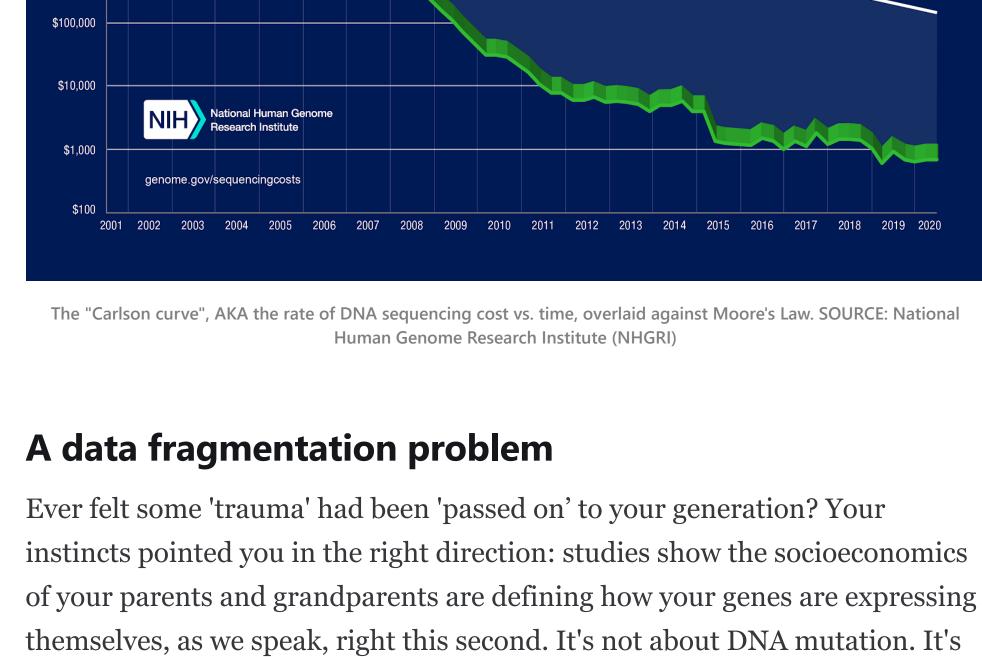
startup that echoes the futuristic and staunchly pro-democratic ideals of

A puzzling situation indeed. I also learned that what motivated me was feeling like my life was spent having a meaningful purpose. But to 'outdo' Ethereum, a decentralized, worldwide, unstoppable computer where intelligent agents ("smart

contracts") roam free, this new project would have to be on a scale that would dwarf everything I worked on before - Ethereum and its \$169 billion

capitalization included! In the words of my friend and renowned science fiction author Karl Shroeder, I had to find "what is about to become incredibly important but that nobody is talking about **right now?**". Enter epigenomics: the revolution around the corner you haven't heard from yet because we've been distracted by a global pandemic and kept blind to its potential by the greed of short-sighted corporations.

Cost per Human Genome \$100,000,000 \$10,000,000 Moore's Law \$1,000,000 \$100,000



about gene expression across generations.

This is why war veterans' children often show signs of <u>increased anxiety</u> when no other factor can make up for it. According to some scientists, even prior to

law.

accessible to researchers.

be clear, we're not talking second hand smoke here, but instead an inherited predisposition to diseases, and even inherited trauma! This is solid science and I'll post references to fascinating studies regularly over the following months. However, today these studies are few and far between because genomic testing is still expensive, with the data locked away behind incomprehensible biobank terms of services or the paywalls of

companies that favor you being the product as opposed to having ownership

of your medical information. Sometimes, it can also simply be forbidden by

That data is fragmented, incompatible, expensive or sometimes impossible to

access. While 100% gene sequencing costs might have outpaced Moore's law

conception, a pack of cigarettes a day could be harming your future child. To

to be priced at just a few hundred dollars, proper genomics analysis still costs in the region of high 6 figures. Now you know why your 79\$ 23andme DNA kit has 'not for medical purposes' written all over it. In fact, recent studies show 90% of participants who carried a terrible, breast cancer-inducing BRCA mutation would be <u>missed</u> by their 'tests'. How we intend to change that

In the near future, however, complete, 100% 360-degree genomic testing will

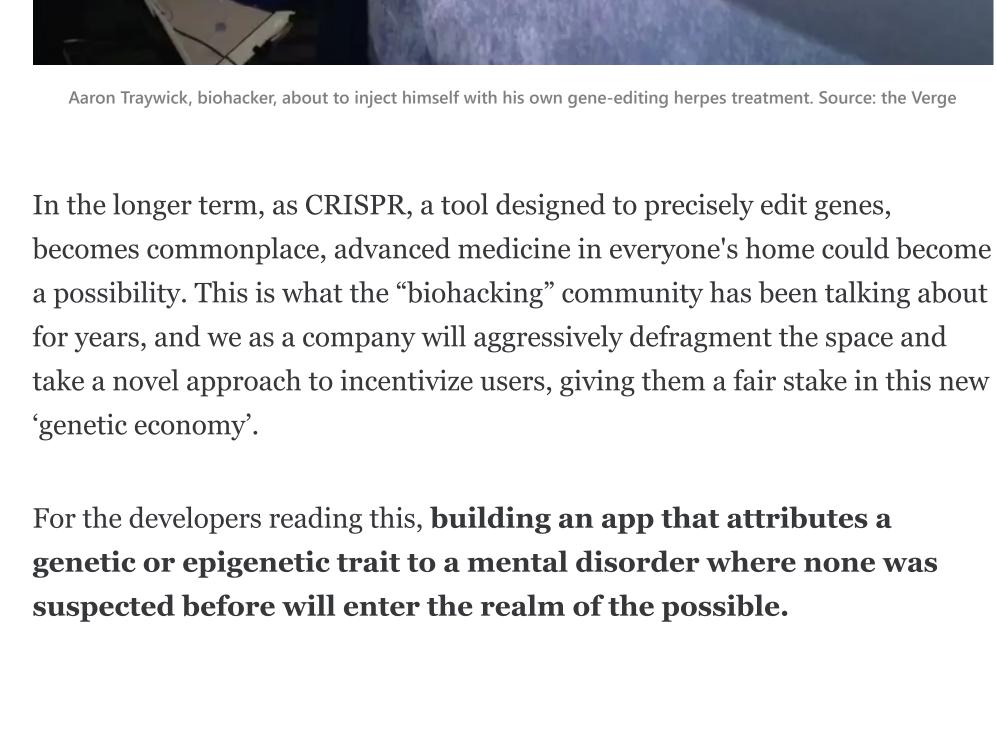
cost a few dollars at most and will be repeatable on a monthly, or even weekly

basis. Enriched with nearly-infinite contextual information from the

quantified self ranging from physical activity to mental health tracking,

hundreds, if not thousands, of hidden correlations could be suddenly made

Our goal is to take this 'quantified self' information and find correlations and causations with 'passion centers' including Identity (for example, an app helping me find my biological mother), **Health** (triggering a conversation on how we approach aging and even cure diseases), and Lifestyle. Evidently, we realize that the task is simply too ambitious to take on as a single team. Instead, we want to build an 'operating system' - including a



option to opt-out at any time at the push of a button. Coming from the crypto space, we knew we needed extrordinary incentives, so users will be rewarded financially for staking their genetic and non-genetic data. I'm lucky to be part of the project and hold the same role I did back at Ethereum, thanks to being brought on by our ever-persistent CEO, Cassius

Kiani. Our world-class management team will be revealed over the next few

months, but I can already announce our Chairman of the Board will be none

Keep in mind that at this point in time, this is NOT a blockchain project, even

other than <u>David Tabizel</u>, the internet pioneer and father of the Internet

Service Provider.

advanced healthcare.

Our goal: offering a platform to develop apps correlating genetic data with the quantified self. Source: GIO.TTO/SHUTTERSTOCK

With 23 and me about to go public at a valuation of around \$3.5 billion and

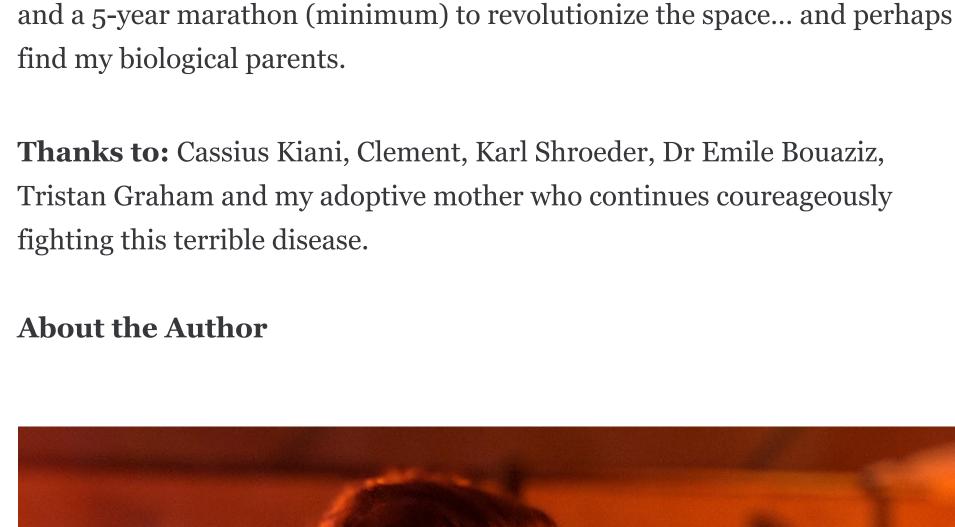
say goodbye to old models and adopt a fresh, radically private approach to

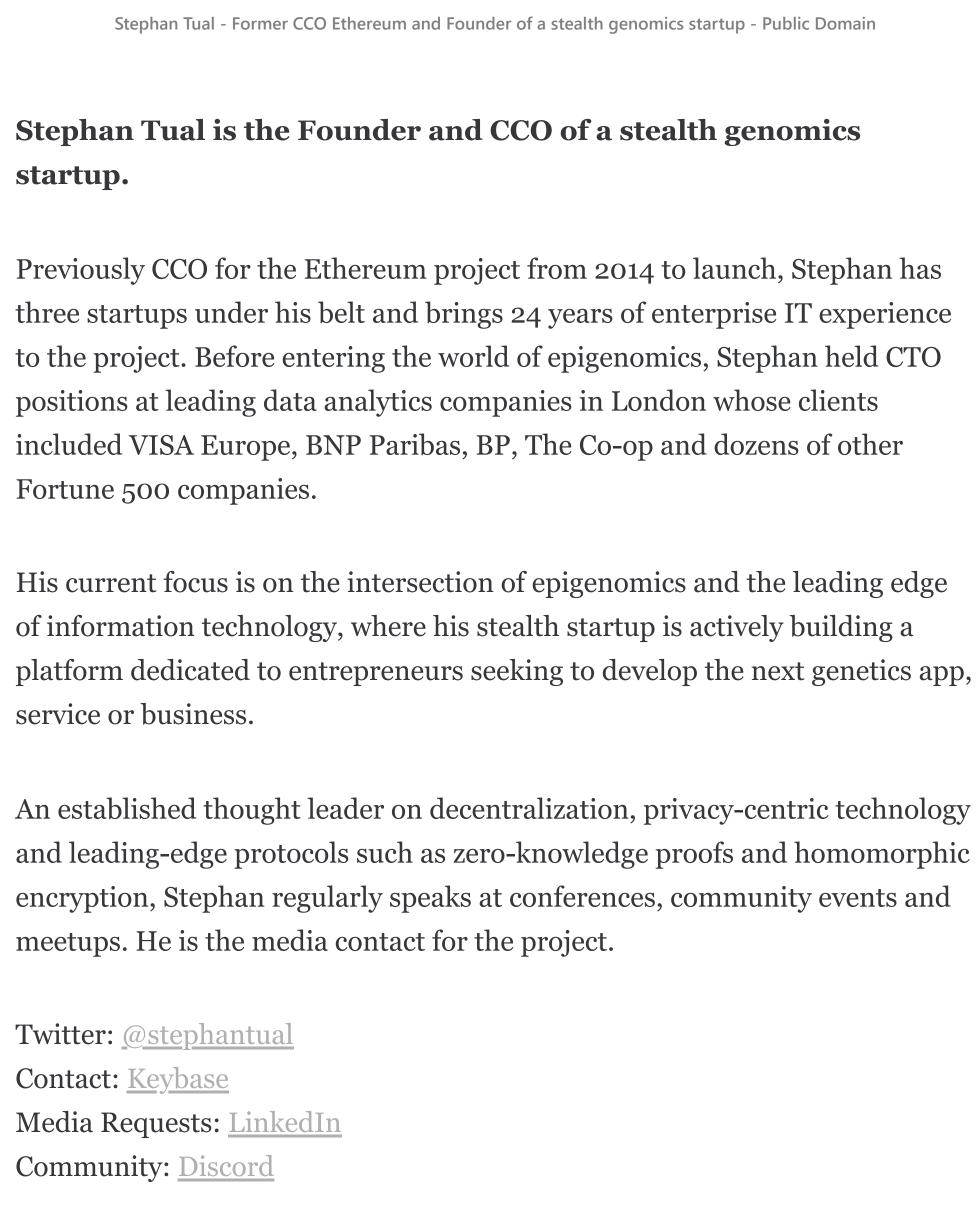
Ancestry.com having been acquired for \$4.7 billion, I feel it's the right time to

I cannot wait to share more about the project with you. Until then, here's the

this for the long run, embarking on an 18-month journey to a product launch

link to our (not so secret) Discord server. Please bear with us, as we are in





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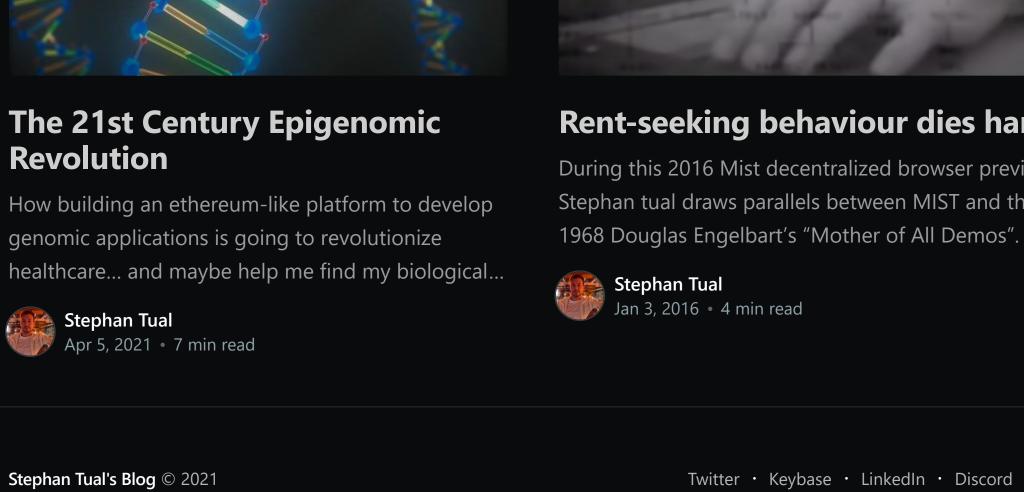
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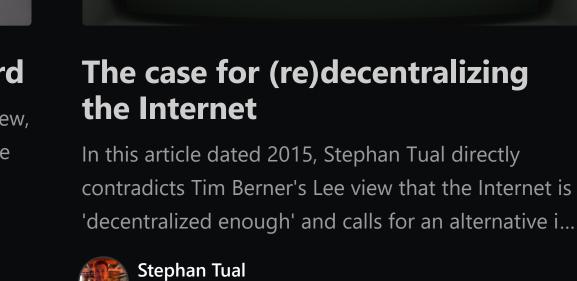






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pharmaceutical companies.

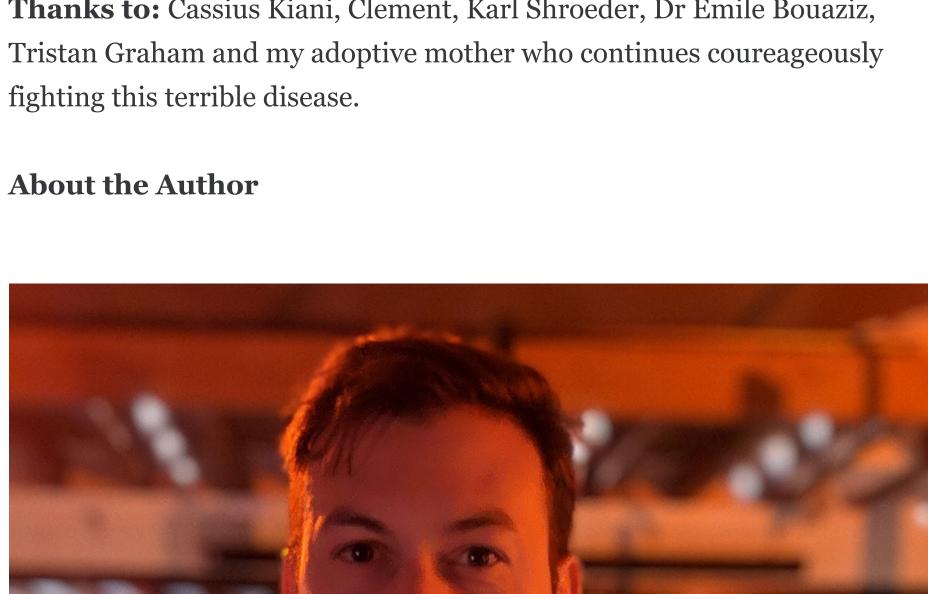
information - accessible to any programmer, from DIY-bio to established

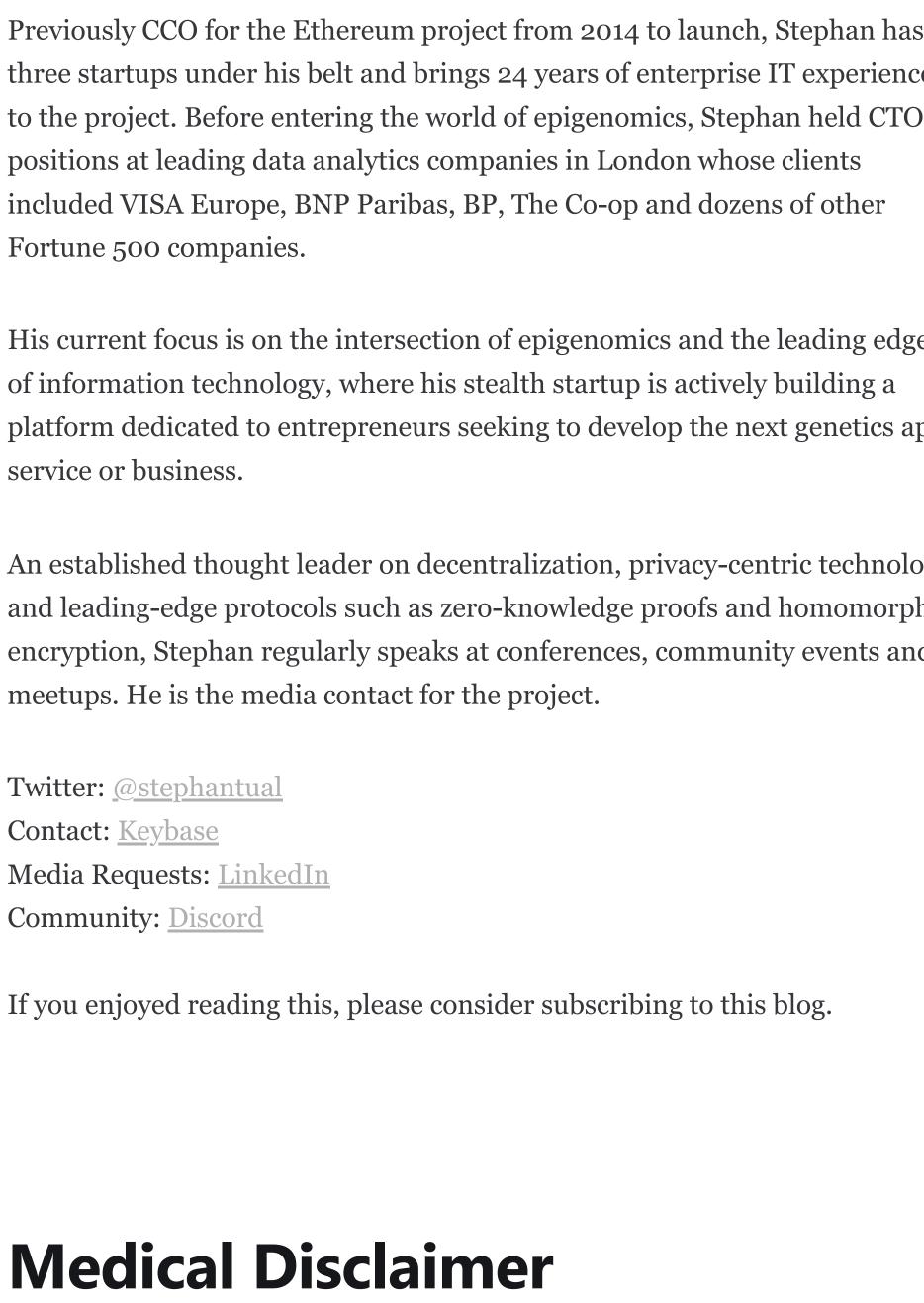
machine learning-friendly programming language built on top of an

optimized datastore for heterogeneous genetics and quantified self-

Ethereum bis? If this sounds familiar at all, it should: we're hell-bent on building a medical platform like we build Ethereum with its own language, datastore and default apps for developers to get started. On this platform, users will retain 100% access to their data, with the

though it will leverage technologies that live on its periphery (Secure Multiparty Computation, Zero-Knowledge Proofs, etc...) but over time and only once they are ready for prime time.





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