

Contents

| | | |
|----------|--|-----------|
| 1 | Overview | 2 |
| 1.1 | The Market | 2 |
| 1.2 | The Platform | 3 |
| 2 | Introduction | 4 |
| 2.1 | The Past | 4 |
| 2.2 | Our Hyperledger Future | 4 |
| 3 | The Problem | 5 |
| 3.1 | The State of Software Deployment | 5 |
| 3.2 | A Third Way | 6 |
| 4 | How It Works | 7 |
| 4.1 | From Configuration to Deployment | 7 |
| 5 | Implementation | 8 |
| 5.1 | Product Background | 8 |
| 5.2 | Prototype Example | 8 |
| 5.3 | Further Questions | 9 |
| 6 | Integrity | 10 |
| 6.1 | Statement of Purpose | 10 |
| 6.2 | Channels | 10 |
| 7 | Contributors | 12 |

1 Overview

Insert Coin. Receive services.

CurrentCoin makes digital software services intuitive and accessible. It leverages the power of Hyperledger’s innovative commercial features, particularly smart contracts.

Our core concept is digital services delivered for CurrentCoin payments, combined with the power of smart contract code, deployed and customized in a private network.

Our goal is “digital services at the click of a button.”

CurrentCoin’s mission is to simplify cryptocurrency for everyone, and build online organizations and institutions where CurrentCoin can be productively used.

Send CurrentCoin to the CurrentCoin address we’ll provide, to access opportunities, goods and services tailored to your specifications.

1.1 The Market

Today’s token market is maturing. As tokens grow in popularity and scope, more companies will be searching for opportunities.

At the time of writing, the total market cap for cryptocurrencies was approximately \$250 billion.

As inspiring as that figure is, it has been accompanied by hard lessons.

Fraud is a problem, as with “founders” who disappear after scamming the public. Experts who are not developers can lose their way in the face of confusing products and extractive protocols.

The buyers of cryptocurrencies can’t purchase intelligently without prior knowledge of their builders, and the builders have had trouble connecting with those buyers.

CurrentCoin is aware of these issues, since its ICO in early 2018. We are working to build a platform, and a community, transparently based on content, merit, and code.

1.2 The Platform

It begins with the click of a button.

Our Hyperledger main net will be constructed out of organizations users can join, and support.

From there, it's as simple as sending a cryptocurrency to an address.

A network of templates will allow you to preview and test opportunities and software.

Whether that's a website, office software or a portal where you can purchase toys and other goods, CurrentCoin will enable it.

Our mantra is simplicity. Customers can handle every aspect from one site alone. Our website's template platform will allow you to preview and test the solutions you want.

We are building a future for the age of blockchain-empowered cloud computing, one application at a time.

Our focus will be on web apps, informational websites, and online marketplaces, as part of a larger network of Hyperledger organizations.

Sellers, buyers, developers and users will all have an opportunity to participate in, and benefit from, our platform.

Through our collective efforts, we will build a better network for all.

2 Introduction

2.1 The Past

Safe, fast, convenient, with smart contracts: this line connects Bitcoin to Ethereum to CurrentCoin.

We've reviewed cryptocurrency's existing solutions. We're taking a fresh approach.

Many cryptocurrencies focus on the far future, by writing protocols from scratch that will take years to materialize.

For this to work, interlocking systems have to be built, integrated, communicated to the community, and promoted continuously to keep pace with changes.

But as project scope increases, so do costs, interruptions, and delays.

There is no need for a more complicated solution when a complete one exists, through Hyperledger.

2.2 Our Hyperledger Future

CurrentCoin has chosen Hyperledger for its main net because Hyperledger's consortium has proven its solutions work, for everything from smart contracts to cryptography.

CurrentCoin is focused on tangible goals: integrating our coin into services where the path to value is clear and the product is a visible one the user can evaluate.

It's all tied together by CurrentCoin's token, which extends the power of a blockchain network to everyone who's ever experienced roadblocks using software and selling online.

We are focused on removing obstacles, and making commerce easier for everyone.

3 The Problem

Today, the state of software deployment presents you with a choice. You can choose a simple but watered-down solution, or dive into complexity with an engineer employed to create software for you.

CurrentCoin is here to provide the best of both worlds: power without compromise, flexibility without the full-time expense.

3.1 The State of Software Deployment

Presently, there is a divide between infrastructure services, such as Amazon Web Services (AWS), and one-stop solutions, such as Shopify.

AWS presents you with a complex system. Its certifications are targeted towards basic proficiency and operational knowledge across a double-digit range of services.

It takes a full-time engineer to maximally use AWS, address problems (using complicated documentation or expensive consulting), and adjust as your company's needs do.

Shopify is infinitely simpler, but less customizable. It simply doesn't have the power many customers need.

While you can do almost anything with AWS, the same is not true for Shopify.

Shopify manages your choices, but also compresses them.

If you've spent any time in software deployment or the blockchain sector, you'll frequently see users overwhelmed by complexity, or limited by predetermined options that don't meet their needs.

It doesn't have to be this way.

The advent of the container revolution on Linux containers, as pioneered by Docker, Kubernetes, RancherOS and other major projects, has changed the face of software deployment. We can now create containerized applications and deploy them, to extremely exact and fast specifications.

Today we can make software deployment transparent and online

marketplaces instant, benefitting the market and consumers everywhere.

3.2 A Third Way

The size of the software deployment market is growing at a double-digit rate.

One way to define it is through cloud computing infrastructure services & companies: Amazon Web Services, Google Cloud Platform, Microsoft, Oracle.

The cloud computing market surpassed \$260 billion in 2017; it is projected to grow as large as \$411 billion by 2020.

These companies operate on a utility model, where the metered ‘power’ of services can be turned on or off like electricity. In the utility model, the user has a high degree of control, through configuration choices requiring specialized engineering knowledge.

An alternative is presented by managed solutions, like Shopify. The Shopifys of the world disintermediate the infrastructure choices and advance straight to already-configured five-minutes-to-deploy managed solution.

A small business owner can offload the salaried expense of a developer onto a monthly service, lowering his costs.

Once he reaches the limit of what such a site can do, however, improving it can be a chore, especially since such sites quickly reach the limit of what a nontechnical user can understand. A developer, at that point, may be even more impractical and expensive.

In this situation, the unhappy business owner finds himself locked in.

CurrentCoin bridges the gap. Our customer philosophy is to give you the power you need with the simplicity you deserve. We take you from the vision in your head to actionable opportunities, where you can seek and select goods and services, on your timetable.

CurrentCoin gives you the right fit.

4 How It Works

Blockchain companies are often asked if a dedicated coin is necessary, if the same product could be offered using non-blockchain payment methods and achieve the same result.

In the case of CurrentCoin, the answer is clear: the combination of our cryptocurrency with Hyperledger enables greater innovation.

4.1 From Configuration to Deployment

We can use a conceptual prototype as an example of CurrentCoin in action.

At the time you send CurrentCoin to our address, you fill out configuration details to describe how your template should be customized.

On the CurrentCoin site, our servers scan CurrentCoin addresses for incoming payments. Assuming the payment requirements are met and the details parses correctly, we activate a build process that reads this information and generates a website in response.

Our online marketplaces will allow you to use CurrentCoin for purchases, as we expand our reach and scope.

CurrentCoin creates the platform that users can use to view, build and share e-commerce services with each other and with the world.

5 Implementation

CurrentCoin leverages Hyperledger's best features, while adding its own unique smart contracts and assets.

Its network of solutions will be backed up by the enterprise-grade security of the Ethereum network.

CurrentCoin will stay actively involved in vetting potential providers, overseeing the health of the platform, and ensuring that the system runs smoothly and without interruption.

Our model will be a combination of a service provider network, cloud services activated by CurrentCoin, and online marketplaces that accept payment in CurrentCoin.

5.1 Product Background

At the outset, CurrentCoin's focus will be on static websites and well-architected applications that enable maximum uptime and stability.

As templates prove their popularity and time shows which applications gain traction, the network will increase in scope, expanding ultimately to online marketplaces where CurrentCoin can be used for purchases.

5.2 Prototype Example

When you create a website using a CurrentCoin form and send CurrentCoin to it, the transaction resulting from that form is available for viewing on the network.

On the CurrentCoin end, after confirming that the token has been sent, the simultaneously created configuration file is scanned to generate your app.

Future templates will include a section for you to fill in your own information.

Once that is done and the CurrentCoin is registered as received, your informational site will go live, online, for use by you and your audience.

Behind the scenes, once the CurrentCoin has been sent and the details are visible online on the network, CurrentCoin will then substitute in your information into an approved template as part of its configuration, and deploy the app.

For CurrentCoin, this is only the first step in building out a larger network that will put marketplace solutions front and center, and allow you to spend your CurrentCoin in a variety of ways.

5.3 Further Questions

You can write to us today at contact@currentcoin.io or info@currentcoin.io, for more information or a personal response.

6 Integrity

We are aware of the controversies over fraud and plagiarism that have battered the cryptocurrency space and led to an overall drop in confidence.

Our pledge to you is a commitment to original work, as part of a software deployment service we hope to expand and grow solely on its merits.

6.1 Statement of Purpose

CurrentCoin will always put trust and integrity first in all our dealings with customers.

Every word in our whitepaper and on our webpage has been reviewed by multiple readers and assessed by our experts.

We welcome your feedback and aspire to be as open and transparent as possible, in every step of the development process.

6.2 Channels

If you'd like to follow our latest developments, you can do so through the following channels:

[Medium](#)

<https://medium.com/currentcoin>

[YouTube](#)

<https://www.youtube.com/channel/UCHMeCp1gdcad88Lv5U6fdxw>

[Discord](#)

<https://discord.gg/8YQMWp>

[GitHub](#)

<https://github.com/CurrentCoin>

[Telegram](#)

<https://t.me/currentcoinchannel>

[Twitter](#)

<https://twitter.com/CurrentCoin>

7 Contributors

CurrentCoin is offered under the auspices of BITNEST, a Singaporean entity.

Julian Martinez contributed product specifications, infrastructure prototyping services, and material to the whitepaper.

Julian Martinez operates the cryptocurrency consultancy Excelsior. He has worked at San Francisco startups dedicated to infrastructure products and developer tools, covering everything from open source monitoring solutions to ledger nodes. At Ripple, Julian worked in client services, offering support to developers and customers of exchanges, particularly in East Asia. Since then he has advised customers on software deployment and containerized applications.

Dan Napierski provided infrastructure prototyping services and architectural solutions.

Dan Napierski is an executive, engineer and advisor with substantial Microsoft and enterprise experience. He has helped set up large server configurations for multiple Fortune 100 companies and advised clients on the maintenance of a variety of server-based systems. He received his M.S. in Computer Science from Harvard.

Gilles Pirio contributed infrastructure prototyping services.

Gilles Pirio is a developer and project manager with almost two decades' experience at Bay Area companies, starting at Intel. He has been a founder and senior consultant for a number of Silicon Valley companies; much of his work is being used in production today at locations across the Bay Area. At Ripple, Gilles worked as a data analytics engineer, tracking the movement of XRP across the ledger to investigate fraud and suspicious patterns.

Jason Emberley provided prototype development services.

Jason Emberley is a software engineer and project manager based out of the San Francisco Bay Area. He received his B.S. in Physics and Applied Math, which he employed as a research assistant and science journal contributor. Jason started programming as part of

his research and focuses today on the development of Node.js websites with blockchain applications.

Johanna Griffin contributed design and website development services.

Johanna Griffin is a JavaScript engineer based out of San Francisco. She worked at Ripple as an engineer in the Client Services department, where she answered consumer questions relating to the use of XRP, and triaged fintech issues as an on-call member of Level I & Level II support for financial institutions. As someone who has thought deeply about customer success, she focuses on improving the design and experience of all the applications she creates.

Amanda Bullington contributed copyediting services for the whitepaper.

Amanda Bullington is a marketing and communications expert complemented by training as a JavaScript developer. At Ripple, she worked on the communications team to craft the company's core message and coach executives speaking at conferences and media events. Her work left a deep impression on the company's media presence, including but not limited to marketing, outreach, legal, and public relations messaging.

John Thai provided software development services.

John Thai is a senior software developer with over a decade's worth of experience in the technology sector. He works as a senior developer at C & J Energy Services, after previously working as a product manager and developer at offshoring and surface logging companies. Throughout his career, John has worked within corporate settings to construct guidelines, maintain product backlogs, design software road maps, evaluate user interfaces, and review technical designs. He received his Bachelor's in Computer Science from the University of Houston.

Charles Cooper contributed architectural solutions and material to the whitepaper.

Charles Cooper is a software consultant with a special focus on Ethereum and Ethereum-based projects, and a subject matter expert in smart contracts. Charles designed a high-frequency trading platform which currently turns over millions of shares per month and

implemented the core functionality for a startup valued at over \$10 million. He first mined Bitcoin back in 2014 and has been involved with cryptocurrencies ever since.

Goolzzi Jeon contributed design and website development services.

Goolzzi Jeon is a JavaScript developer experienced with building token launch websites. He is most familiar with ReactJS and associated app architectures such as Flux, Reflux, and Redux. He is proficient in Typescript, EcmaScript 6/7, and the JavaScript toolchain, frequently employing tools such as Babel and Webpack as part of his projects. He received his Master's of Computer Applications and Computer Science degree from Nanyang Technological University.

Evgenii Kozinchenko contributed website development services.

Evgenii Kozinchenko is a developer and business owner who has worked with Node.js, React.js, the Go language, and Rest API's backed by MySQL databases. He runs a development company that delivers brand-focused websites and has worked directly with projects like Latoken.

Ramin Taghizada contributed website development services.

Ramin Taghizada is a financial technology developer and open source contributor who has overseen the business process management software behind major enterprise products. Ramin's list of known technologies includes JavaScript, ReactJS, MeteorJS, NodeJS, Java, C++, Python, and PHP. He graduated with a degree in Computer Science from the University of Manchester.