

Spruce lets users
control their data
across the web.



Our Vision

We believe that citizens and residents deserve respect and transparency **across all their digital interactions.**

We accomplish this through **open source software, interoperable standards,** and supporting the growth of **internal IT capabilities** within agencies.

About Spruce

- Founded in 2020, ~20 employees and growing, mostly engineering.
- Completed Y Combinator in 2020, raised a \$7.5m Series Seed round in 2021, \$34m Series A in 2022 led by Andreessen Horowitz.
- **The bet is that cryptography will enable new forms of user-controlled identity.** The most exciting opportunities for us are in web3 and the public sector.
- **Our partners include:** The Ethereum Foundation (and hundreds of apps built on Ethereum), Gitcoin, the State of California, the South Korean Government (NIA), European Commission NCI.

We focus on credential ecosystems.



- **Issuers** will make digital statements.



- **Holders** can share those statements.



- **Verifiers** check if statements are true.

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- **Issuers** will make digital statements.
 - The State of Colorado says that Jane Chan has a valid driver's license through 2024.
 - CU Boulder says that Brian Smith has a B.A. in Computer Science, class of 2020.
 - Aircraft Parts Co. says that Bill Jones was employed continuously for 10 years, but was just laid off.
- **HOLDERS** can share those statements.
- **Verifiers** check if statements are true.



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- **Issuers** will make digital statements.
- **HOLDERS** can share those statements.
 - Jane Chan decides to show her driver's license from her phone at a traffic stop.
 - Brian Smith applies for a job online with proof of his educational credentials.
 - Bill Jones can apply for unemployment benefits with proof of prior employment.
- **Verifiers** check if statements are true.

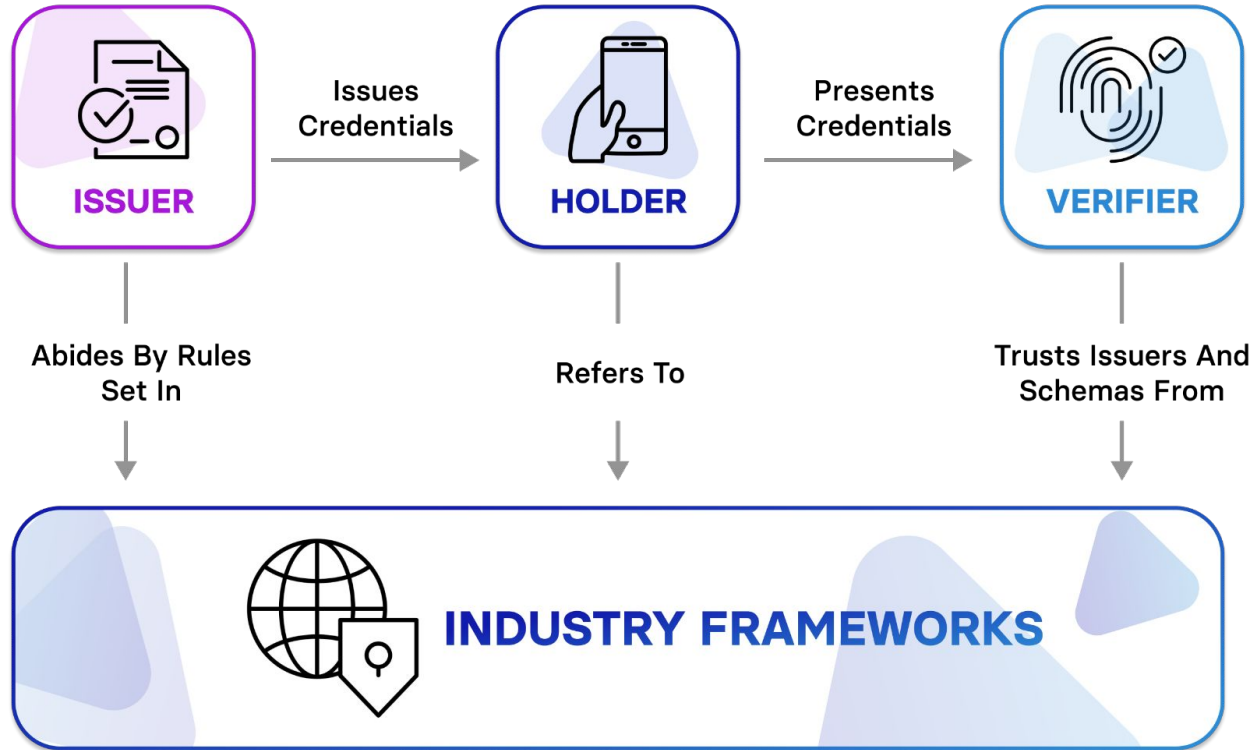


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- **Issuers** will make digital statements.
- **Holders** can share those statements.
- **Verifiers** check if statements are true.
 - Officer Sarah verifies that the DMV issued Jane Chan's valid mobile driver's license.
 - Software Inc. instantly verifies Brian Smith's B.A. in Computer Science.
 - The Department of Labor accepts Bill Jones' evidence of prior employment and layoff.



The Credential Ecosystem



Opportunities to Explore

1. Extend myColorado app functionality
2. Help state agencies issue credentials to citizens and also verify them
3. Public-private sector data sharing on the user's terms.

Opportunity 1: Upgrades to the myColorado App

- **Coloradans can use their myColorado driver's license at the airport or in other supporting states/countries.**
 - The app will support the mobile driver's license (ISO mDL) based on requirements from the American Association of Motor Vehicle Administrators (AAMVA) and the TSA.
- **Coloradans can share their myColorado credentials privately and securely online via QR codes.**
 - Any credentials in the app, such as proof of residency or camping privileges, can speak new global data standards including W3C Verifiable Credentials and their necessary workflows for secure transfer and fraud prevention.
- **Coloradans can use their other credentials when they're in other states or countries, where it makes sense.**
 - Support digital reciprocity for use cases such as professional licenses (e.g., electrical/plumbing), board certifications, restricted use products, out-of-state teacher or nursing certifications.

Opportunity 2: Agencies Use Credentials

We can work with one or more agencies on a use case, for example:

- The **Department of Education** issues digital certifications to teachers, who can use them with online portals for educators.
- The **Department of Labor** optionally accepts digital proof from a company's HR software installation to confirm prior employment and a layoff event.
- **RTD** is able to read myColorado credentials and conditionally grant a free ride pass. Furthermore, the pass could live in the myColorado app, with RTD able to revoke it.

Opportunity 3: Public-Private Sector Data Sharing

We can work with one or more use cases involving users voluntarily sharing their data with state-adjacent companies or institutions, such as:

- Citizens can **apply for jobs** using an online job portal, and fast track their application by verifying with their university-issued educational credential and state-issued driver's license credential.
- The Colorado Medical Board (CMB) can **issue professional licenses in digital form** to its medical professionals, and add workflows for digital reciprocity with other states or countries.
- **Patients can export their health data** from state-funded hospital systems into a data vault that they control to easily change doctors with their full history with them.

Where to go from here

- Spruce is an open source software company that wants to let users control their data across the web.
- We focus on credential ecosystems with issuers, holders, and verifiers.
- There are several opportunities to collaborate.
 - Extend the myColorado app functionality
 - Help state agencies issue credentials to citizens and also verify them
 - Enable user-driven data sharing with state-adjacent companies and institutions
- **We would love to further discuss the use cases with the relevant departments from the state, and with OIT to get their thoughts on the technology.**