



Simple developer tools for data privacy

Founder



Shane Curran

- Won BT Young Scientist & Technology Exhibition in 2017 for **research in cryptography and data privacy.**
- Youngest Forbes “30 Under 30” in 2018.
- Previous start-up success as Founder & CEO of Libramatic (2012).
- Worked with MyWallSt (formerly RubicoIn) **as they grew from 3 to 25 FTEs.**

Keeping data safe is hard

Uber concealed massive hack that exposed data of 57m users and drivers

Equifax Says Cyberattack May Have Affected 143 Million in the U.S.

**FACEBOOK EXPOSED 87
MILLION USERS TO CAMBRIDGE
ANALYTICA**

Yahoo says all three billion accounts hacked in 2013 data theft

We can end the data breach epidemic

- Breaches of customer information are happening more and more every day.
- The **cost of these breaches is rising exponentially.**
- **Companies of all sizes are overwhelmed** with the task of protecting this data.

The missing link: data processing

- Data at rest is secured using symmetric encryption. ✓
- Data in transit is secured using SSL/TLS. ✓
- Data processing: **until now, data had to be decrypted to process it.**

Evervault solves this

- We host a **network of hardware-secured data processing enclaves** (powered by Intel SGX).
- We allow developers to **easily deploy secure components of their application** in a cloud enclave without changing the way they build their software.
 - ◆ An individual piece of code is given a unique URL (e.g. <https://ev.run/4QaRZ>).
 - ◆ Every time an application needs to run an algorithm, it simply sends a request to the URL along with the encrypted data to be processed.
 - ◆ The result is returned to the application.
- With Evervault, **companies can easily process customer data while encrypted**. We're making the weakest link the strongest while solving the "last mile" problem of cybersecurity.

Evervault solves this

- Developers integrate with the Evervault network through our **publicly available developer SDKs** for all major architectures/frameworks.
- This SDK verifies the integrity of a cloud enclave to make sure it hasn't been tampered with (through Intel SGX Remote Attestation) before sending it any sensitive customer information.

Why Evervault?

- Companies no longer need to worry about securing their architecture. Their databases contain useless encrypted information which is unreadable without the key stored in the Evervault enclave.
- Easy integration with external SaaS providers like Logentries, Boxever, Intercom.
- Streamlined SOC-2, PCI and GDPR compliance for customers without rearchitecting their applications.

Competitive Advantage

- Evervault is building the **world's first cloud-based secure processing product.**
- **Partnerships with Intel and Microsoft** provide strong seal of approval for larger customers and access to internal resources (engineers, security audits and co-sell).
- We're building the infrastructure that bridges secure cloud hardware and web/mobile applications — first company to do this.

Client integration steps

1. **Create account** on Evervault where they will be issued API keys.
2. **Include Evervault SDK** in their web application source code.
3. **Isolate sensitive processing components** and deploy to Evervault.
4. **Process/display the result** once it has been returned.

```
1 const evervault = require("evervault")({
2   api_public: "dSDjdsR32rcSD234CSDbg817S",
3   api_secret: "PQkeo0WPefKF348fvndDQWc2j"
4 });
5
6 // Define your custom processing algorithm
7 const processor = function (dataset) {
8   // Find the mean value of a private dataset
9   let sum = 0;
10  for (var item in dataset) {
11    sum = sum + item.value;
12  }
13
14  return sum / dataset.length;
15 };
16
17 // Deploy your processing lambda to the
18 // Evervault network and return the result
19 evervault.deploy(processor, function (result) {
20   // Result has been received
21   // Decrypted data is never handled
22   console.log(result)
23 });
```

Pricing

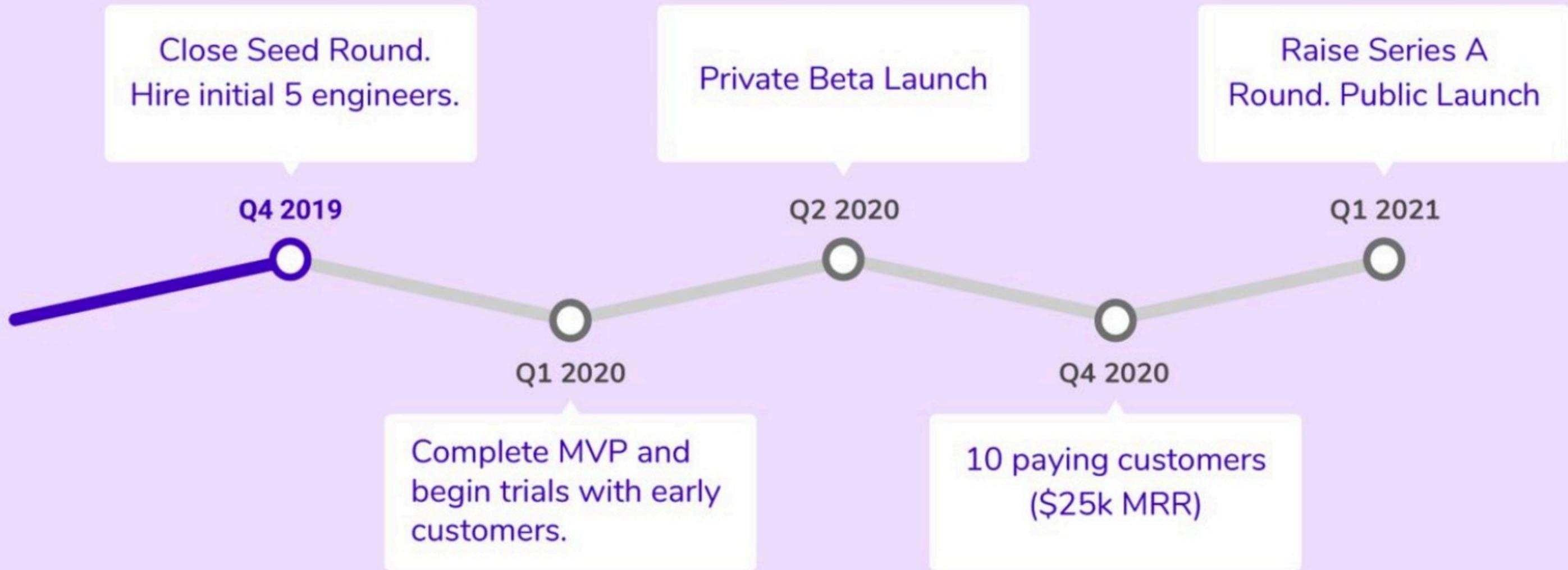
→ Heroku-style usage based pricing

- ◆ Companies pay based on **how often they use a cloud enclave** and **how much data they send it**.
- ◆ **Cost grows as usage grows** and is closely aligned with their spend on cloud infrastructure → makes it **predictable for CFOs and CTOs**.

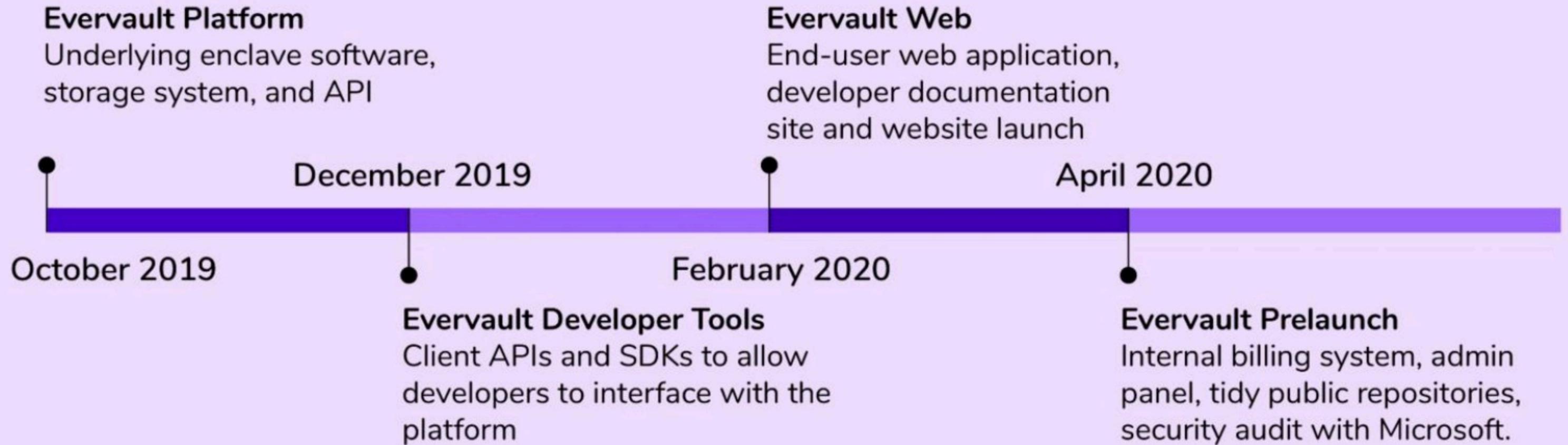
Long term: Evervault for Enterprise

- On-premises deployments of Evervault Platform for large customers.
- Deploy Evervault on our customers' infrastructure or orchestrate private Evervault clouds.
- We provide a **robust breach insurance policy**.
- Full and audited *ISO 27001, SOC-2, GDPR, HIPAA* and *PCI* compliance.

Timeline



Development Roadmap



What we need

Lead investor to invest **\$1m** in a \$1.5m round

- To **hire the initial engineering team (5 developers + UI/UX Designer)**, build the product and **work closely with early PoC customers** to neatly integrate with their existing systems and architecture.
- This capital will provide ca. **19 months runway**, which brings us to a **public paid launch** with **10 paying clients**.