

"Mark Zuckerberg declared in 2010 that privacy is no longer a "social norm," but bought the four houses abutting his Palo Alto home to help ensure his own privacy."

Schneier, Bruce. Data and Goliath

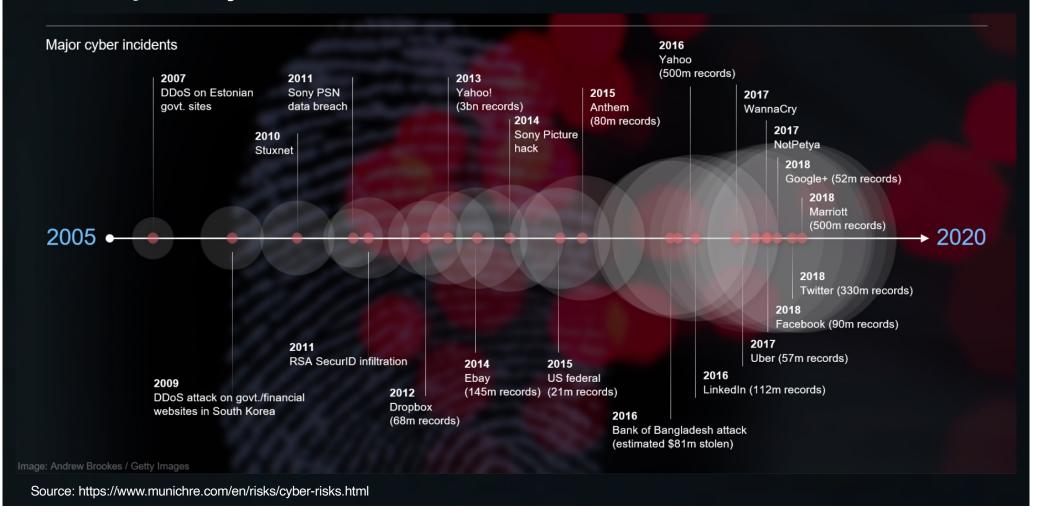
"I believe there's an opportunity to set a new standard for private communication platforms..."

Mark Zuckerberg, A Privacy-focused Vision for Social Media, March 2019





Major Cyber Incidents Over Time



20K - 40K

Estimated # of Paycheck-Collecting
Nation State Offensive Hackers Worldwide



"It takes 20 years to build a reputation and five minutes to ruin it."

Warren Buffett

What We'll Talk About

- Big Picture
- Few Startup Axioms
- Privacy
- Security
- Questions





Big Picture



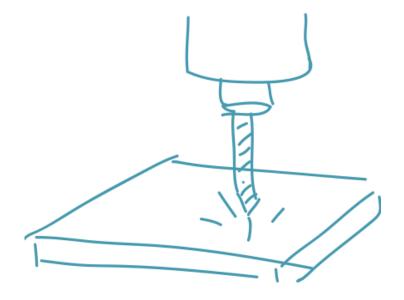




So, how does this apply to startups?



Axiom 1: Focus





Axiom 2: Stage Appropriateness



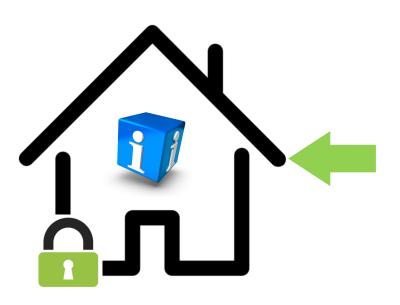


Axiom 3: Find trustworthy trail guides early





Privacy





A Sea Change Starting in 2018

For example...

- Privacy Management Platform
- Founded 2016
- Today
 - 2,700 Employees
 - \$4.5B valuation as of July 2023





Context

- Ever Increasing Digitalization of Life
- Cloud Computing → Democratizing Big Data
- GDPR & CCPA ... and numerous others...
- Al
- No System is 100% Secure



Regulations and Trends

- There Are Many, It's Sort of a Mess
- Some Key Regulations To Be Aware Of
 - State-level Data Breach Laws
 - General Data Protection Regulation (GDPR), Digital Services Act (DSA)
 - Fair Credit Reporting Act (FCRA)
 - Gramm-Leach-Bliley
 - Can Spam Act
 - Telephone Consumer Protection Act
 - Children's Online Privacy Protection Act (COPPA)
 - Health Insurance Portability and Accountability Act (HIPPA)
 - Federal Election Commission

Trends



- National "GDPR-like" Regulation Coming to U.S.
- California Consumer Privacy Act (CCPA & CPRA)



Making Sense of It All

- Minimize what you collect
- Handle sensitive data with care
- Carefully evaluate privacy trade-offs
- Diligently protect



Key Concepts In CCPA

- Right to access
- Right to deletion
- Right to knowing if sold, and for what purpose
- Right to opt out



US State Privacy Legislation Tracker 2025

iapp

Comprehensive Consumer Privacy Bills

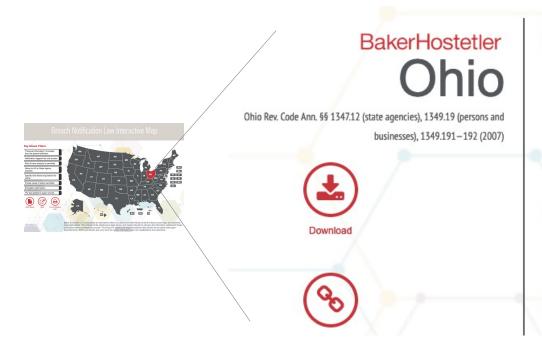
Right to access	
Right to correct	
Right to delete	Со
Right to opt out of certain processing	nsu
Right to portability	mer
Right to opt out of sales	rigl
Right to opt in for sensitive data processing	nts
Right against automated decision-making	
Private right of action	
Opt-in default (requirement age)	
Notice/transparency requirement	
Risk assessments	sine gati
Prohibition on discrimination (exercising rights)	ess ons
Purpose/processing limitation	

State	Legislative process	Statute/bill	Common name	Righ	Priv	Opt	Not	Risk	Pro	Purl							
LAWS SIGNED (TO DATE)																	
California		<u>CCPA</u>	California Consumer Privacy Act (2018; effective 1 Jan. 2020)	X	Χ	Χ	S	Χ	X		Χ	L	16	Χ	Χ	Χ	Χ
Colorado		SB 190	Colorado Privacy Act (2021; effective 1 July 2023)	Х	Χ	Χ	Р	Χ	Χ	Χ	Χ~		S/13	Χ	Χ	Χ	Χ
Connecticut		<u>SB 6</u>	Connecticut Data Privacy Act (2022; effective 1 July 2023)	X	Χ	Χ	Р	Χ	Χ	Χ	X~		S/13	Χ	Χ	Χ	Х
Delaware		<u>HB 154</u>	Delaware Personal Data Privacy Act (2023; effective 1 Jan. 2025)	X	Х	Χ	Р	Χ	X	Χ	Χ		17	Х	Χ	Χ	Х



Source: https://iapp.org/resources/article/us-state-privacy-legislation-tracker/

"Toxic Data" & Data Breach Laws



Personal Information (i.e., "Personal Identifying Information")

An individual's first name or first initial with last name with one of the following identifiers:

- 1. Social Security number.
- 2. Driver's license or identification card number.
- Account number, credit or debit card number, in combination with and linked to any required security or access code, or password that would permit access to an individual's financial account.

Persons Covered

Any person, including any business that is conducted in Ohio and that owns, licenses or maintains computerized data that includes personal information.

Any state agency or agency of a political subdivision.

Encryption/Notification Trigger

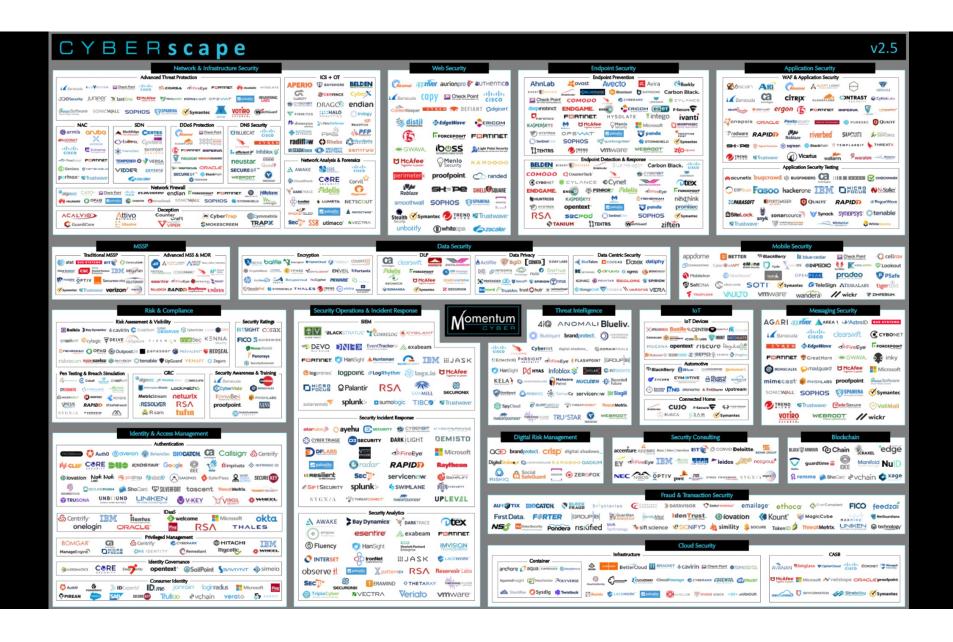
If the data is encrypted, redacted or altered by any method or technology in such a



Security







A Simple Way of Breaking It Down

	Offense	Defense
Nation-State	✓	✓
Companies & Criminals	Criminals	Companies
Kids in the Basement	✓	



General Guidelines

Focus on doing the basics well

Invest where there is risk



Top 5 Checklist

From Harvard Belfer Center Cybersecurity Campaign Playbook

- 1. Establish a culture of security awareness
- 2. Use the cloud
- 3. Use two-factor authentication
- 4. Encrypted messaging for sensitive comm.
- 5. Plan and prepare



Source: https://www.belfercenter.org/cyberplaybook

Improving your security is a process. You can take control. Don't just throw your hands up.



Other Things to Keep in Mind



Be Vigilant of Open Source Tools You Use





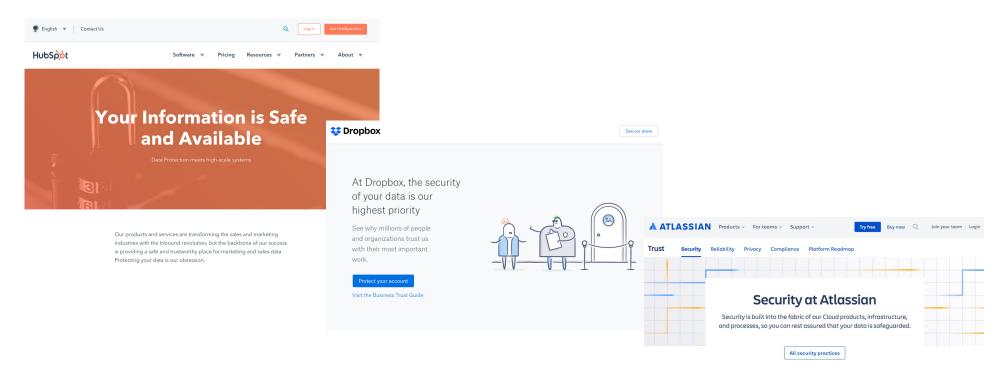








Third Party Risk







Security is built into the fabric of our Cloud products. We employ numerous controls to safeguard your data including encryption in transit across our cloud services, external vulnerability research such as our Bug Bounty program, and more.



Security operations and best

Our dedicated security team approaches security holistically with a common controls framework. Security threats are prevented using our Atlassian Trust Management System (ATMS), secure

Customers & Partners May Hold You Accountable

 Limitation of Liability. EXCEPT WITH RESPECT TO CLAIMS OF INDEMNITY, BREACH OF CONFIDENTIALITY, BREACH OF DATA SECURITY OBLIGATIONS, AND ARISING FROM A DATA INCIDENT (AS SET FORTH IN SECTION XX), IN NO EVENT SHALL EITHER PARTY BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, OR DAMAGES FOR LOSS OF PROFITS/REPUTATIONAL HARM, REVENUE, DATA, OR USE, INCURRED BY OTHER PARTY OR ANY THIRD PARTY, WHETHER IN AN ACTION IN CONTRACT OR TORT. EVEN IF SUCH PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. EXCEPT WITH RESPECT TO CLAIMS OF INDEMNITY, BREACH OF CONFIDENTIALITY, BREACH OF DATA SECURITY OBLIGATIONS, AND ARISING FROM A DATA INCIDENT (AS SET FORTH IN SECTION XX), TOTAL LIABILITY FOR A SERVICE IS LIMITED IN ALL CASES AND IN THE AGGREGATE TO THE AMOUNT OF FEES ACTUALLY PAID BY COMPANY FOR THE CORRESPONDING SERVICE DURING THE TWELVE (12) MONTHS PRECEDING THE DATE OF THE EVENT THAT IS THE BASIS FOR THE FIRST CLAIM.



Source: https://www.winston.com/images/content/1/2/v2/124339/Negotiating-Contractual-Limitations-of-Liability-Provisions-PDF.pdf

Regulatory Oversight Is On the Horizon

March 1, 2023 – National Cybersecurity Strategy

STRATEGIC OBJECTIVE 3.3: SHIFT LIABILITY FOR INSECURE SOFTWARE PRODUCTS AND SERVICES

April 27, 2023 – CISA Attestation Form

Department of Homeland Security

Cybersecurity and Infrastructure Security Agency (CISA)

Secure Software Development Attestation Form Instructions



Frameworks to Know About

- Just to know about...
 - For when your startup scales... not for early-stage
- NIST
 - https://www.nist.gov/cyberframework
- System and Organization Controls (SOC)
 - Part of SSAE 16 by American Institute of CPAs
 - https://www.aicpa.org/soc



Cyber Risk Insurance



Staying Up to Date

Audio







Email







"Complexity is the worst enemy of security..."

Schneier, Bruce. Data and Goliath

Thank You

John Funge DataTribe john.funge@datatribe.com



