

Rishabh Thukral, Justin Kang, Adam Siffel, Pete Stenger

#### Motivation

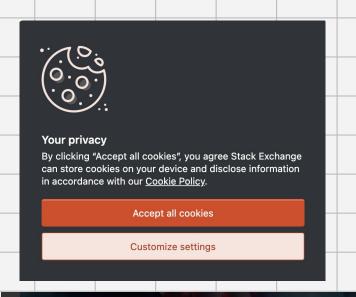
Data Brokers Market Estimated to Reach US\$ 462.4

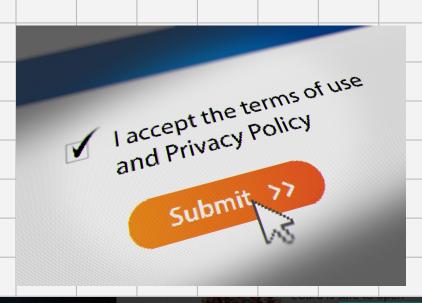
Data Dualtons

### Lawsuits Aim Billions in Fines at Equifax and Ad-Targeting Companies

Brokers say a potential privacy bill could hamper their work with law enforcement and overly restrict their industry.

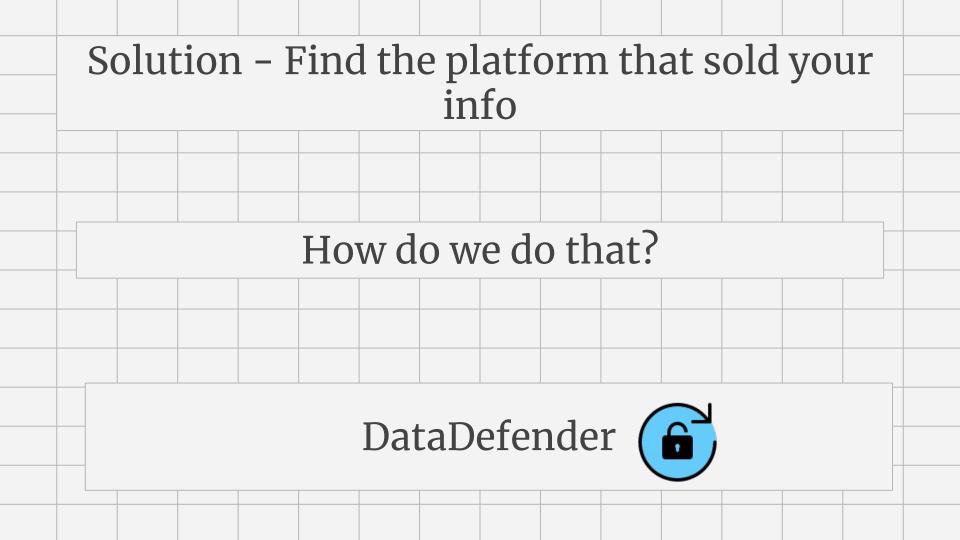
#### But HOW do they get all this information?



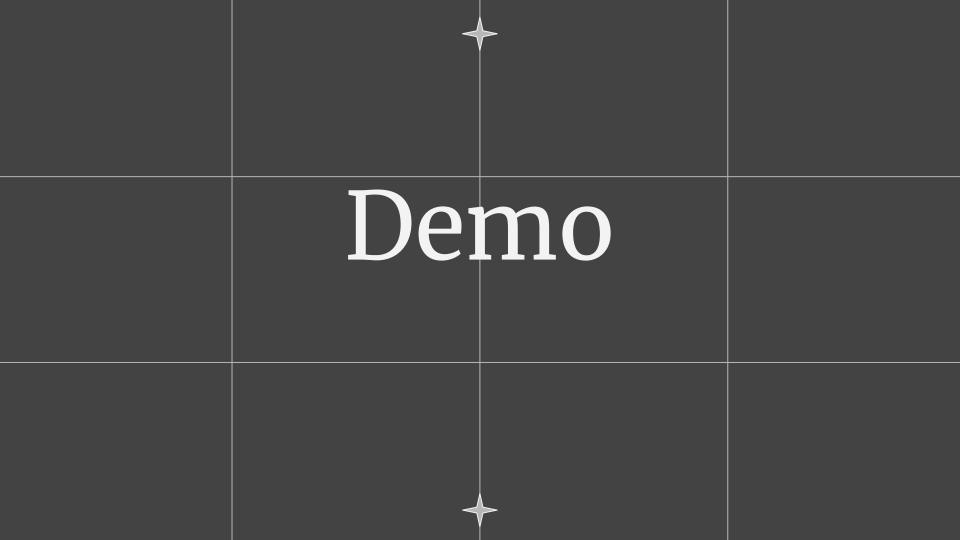


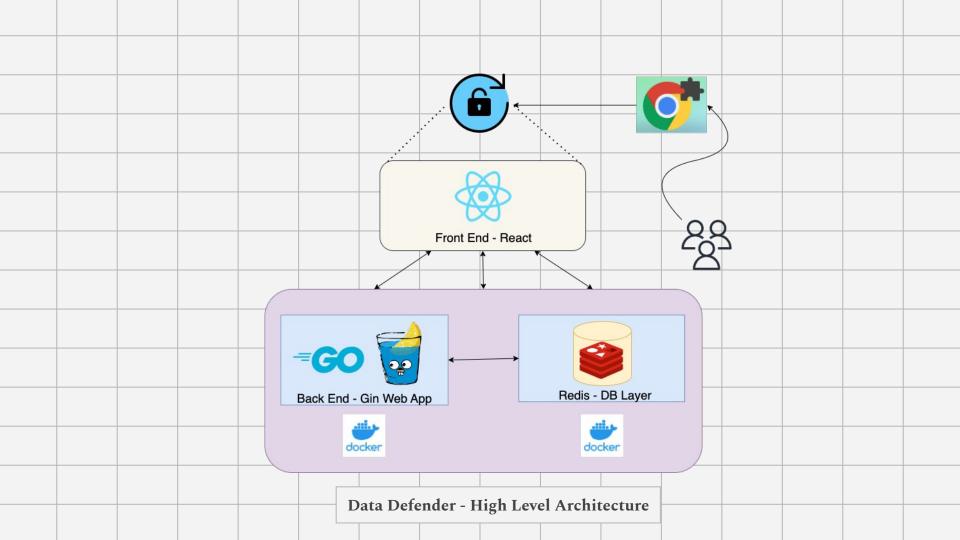
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# It is **BETTER** to know than to not know.



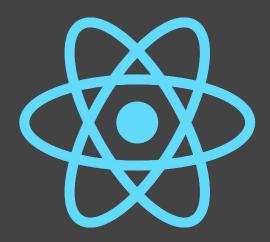
#### Goal: 1. Build an extension that provides a new email address that is unique to a platform but redirects to your primary inbox. 2. Use the unique email to identify which platform sold your email and report it for the community.

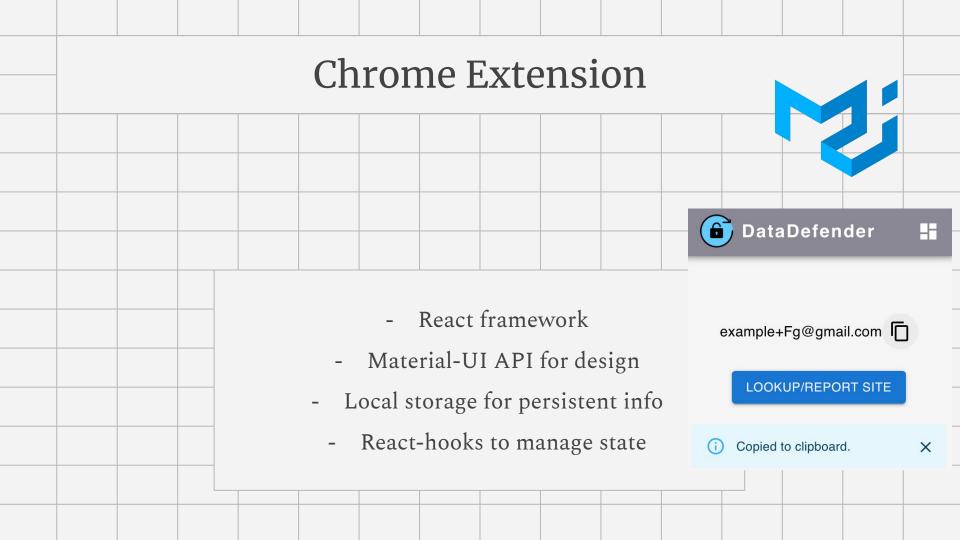






#### Frontend (React)





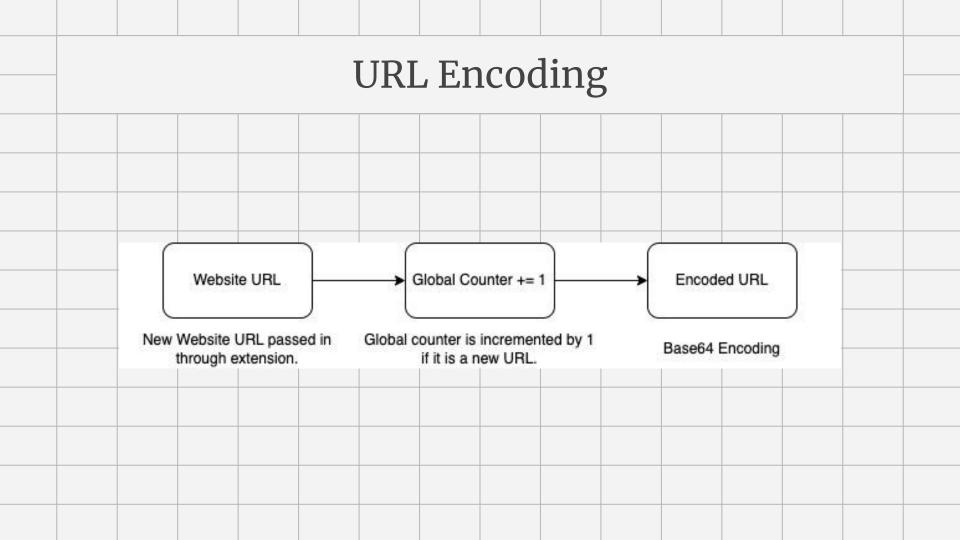
#### Backend (Gin Golang)





## Gin Golang - Used to create the backend for the extension.

- Connects to redis to get the necessary values for the functions of the extension.
- Runs the service to Encodes and decodes URL to concatenate to the email address.

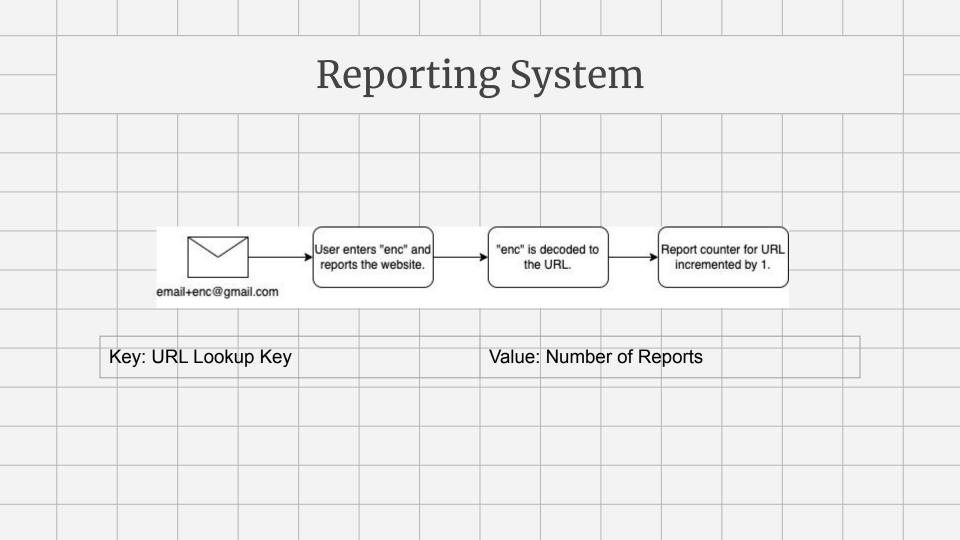




#### Redis

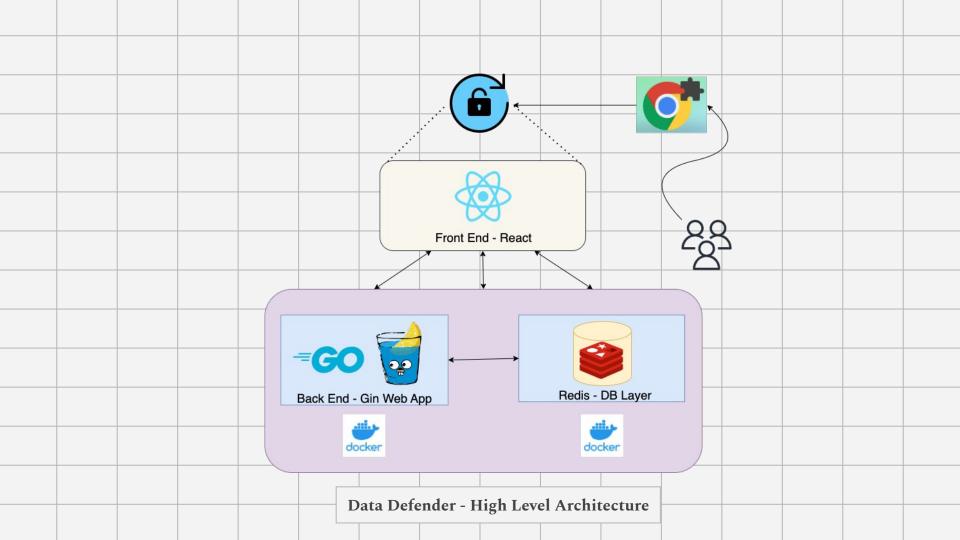
Open source memory storage system, similar to a Python dictionary
 Three major uses:

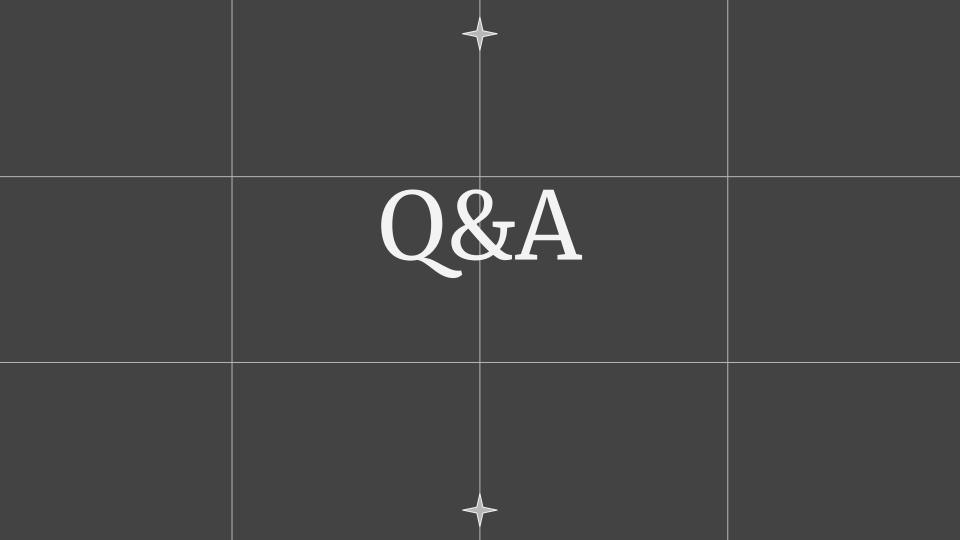
Key: URL String	Value: Encoded URL
Key: Counter Key (ID)	Value: URL String
Key: URL Lookup Key	Value: Number of Reports





## Overall Architecture





# Thank you HackGT!