Github Auditor
Team So Far So Good
Chris Yang, Thomas Zhang, Kyle Stubbs, Edward Thai, Nico Wong

Xenon Mentors
Jason Gilmore, Donnie Hasseltine
73+ Million Developers on Github with 4+ Million Organizations and 200+ Million Repositories created.

Source: Github
No **efficient** way to **audit multiple** organizations and repositories.
Security alerts
● Two-factor authentication (2FA) requirement
● Dependabot alerts
● Secret-scanning alerts
● Code-scanning alerts
Make **auditing** GitHub organizations and repositories **quick** and **simple**

**Centralize** essential security information
https://github-auditor.herokuapp.com
https://youtu.be/lwFKBzqGo4E
High Level and Microservice Architecture

React App

Send access token

Ruby on Rails

Store access token

PostgreSQL

Queue

Asynchronous Jobs

Redis

Notify changes

Notify stakeholders

Mailgun

Send data

Pool of Workers

GitHub API

Logs in

Returns access token

Retrieve orgs/repos data
And enable webhooks

Notify changes
Innovations

Centralized monitoring of high-severity security alerts

Utilization of GitHub webhooks to increase responsiveness

Regular email notification of new or existing security alert to relevant parties
Special Thanks

Jason Gilmore

Donnie Hasseltine