

# Tag Immutability

Guaranteeing immutability of version control system  
tags using blockchain

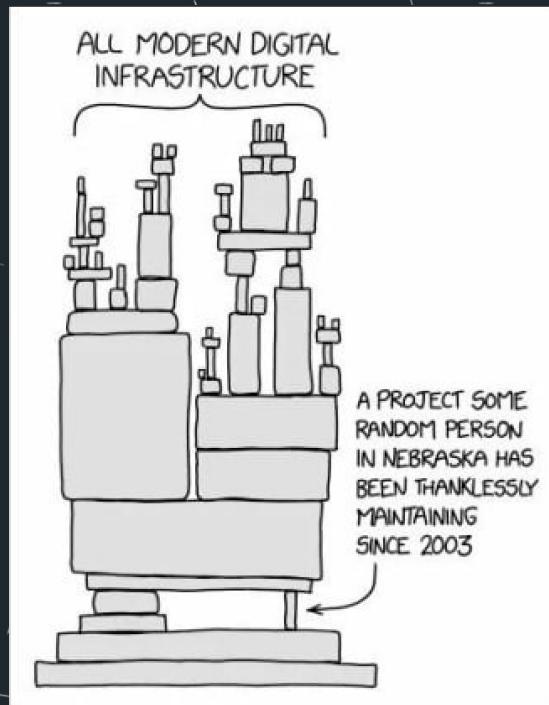
Group 4: Anusha Kulkarni, Ashwitha Kassetty, Parichaya Chatterji, Preethi  
Muruganandam, Vasudha Jha

# What are tags?

The screenshot shows a GitHub repository page for `resilientdb / resilientdb`. The top navigation bar includes links for Code, Issues (2), Pull requests (2), Actions, and a menu icon. Below the navigation, there are two tabs: Releases and Tags, with Tags being the active tab. A sidebar on the left lists repository details: Name, Description, License, and a star count of 1,100. The main content area displays a list of tags:

- v3.0** ... Verified  
🕒 on Sep 30 ➔ c4ab335 [zip](#) [tar.gz](#) [Notes](#)
- v2.1** ... Verified  
🕒 on Apr 13 ➔ babcdffa [zip](#) [tar.gz](#) [Notes](#)
- v2.0** ...  
🕒 on Feb 29, 2020 ➔ 51dae9c [zip](#) [tar.gz](#)
- v1.1** ...  
🕒 on Dec 5, 2019 ➔ 86e1701 [zip](#) [tar.gz](#)
- v1.0** ... Verified  
🕒 on Nov 24, 2019 ➔ 1d6a62d [zip](#) [tar.gz](#)

# Why make tags immutable?

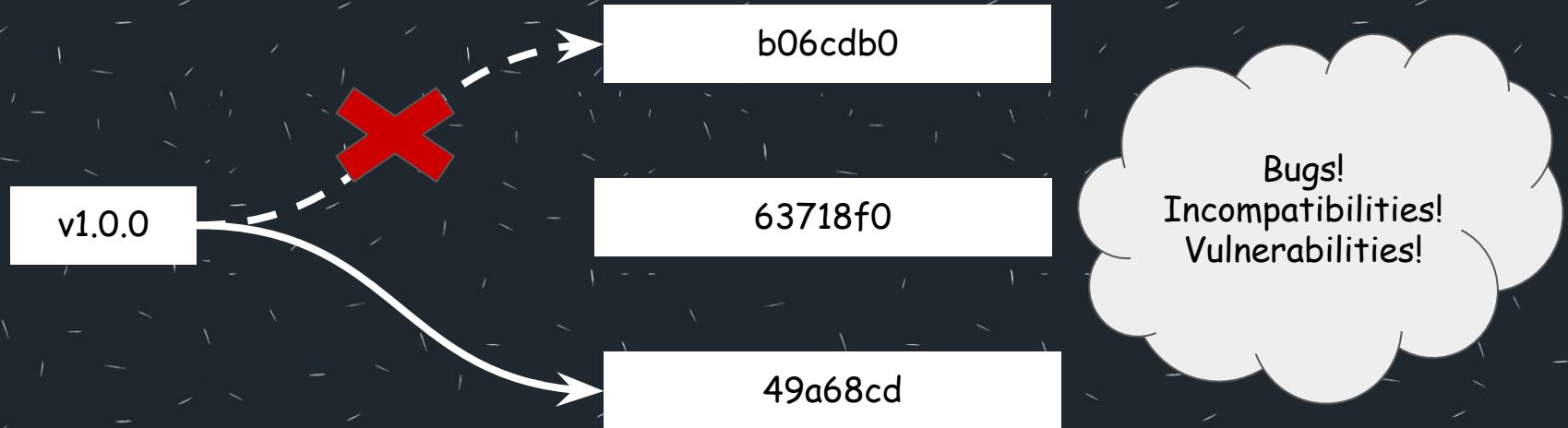


<https://xkcd.com/2347>

# Why make tags immutable?



# Why make tags immutable?

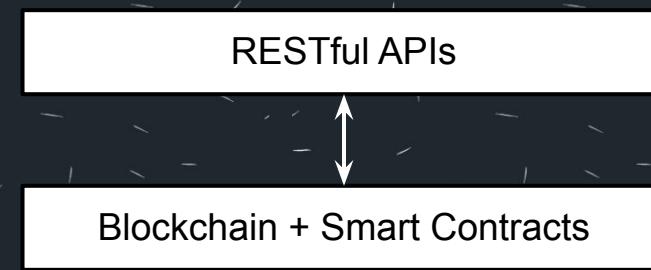


# Our Solution

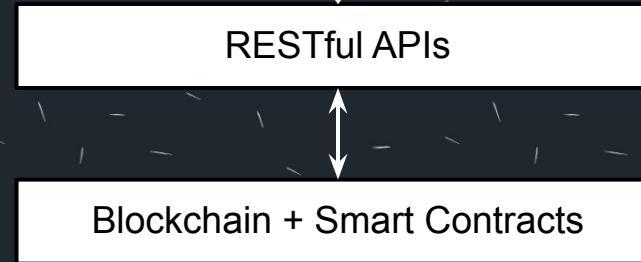
# Our Solution

Blockchain + Smart Contracts

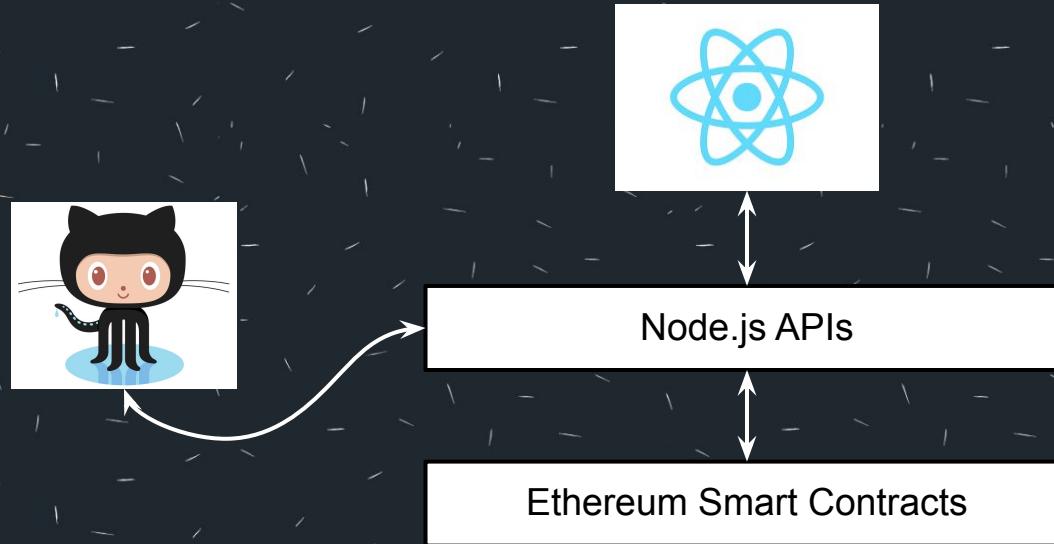
# Our Solution



# Our Solution



# Our Solution



Demo

Q&A

# Links

- Documentation: <https://github.com/Immutable-Tag/docs>
- Get the code: <https://github.com/Immutable-Tag>
- This presentation:  
[https://github.com/Immutable-Tag/docs/blob/main/Tag\\_Immutability.pdf](https://github.com/Immutable-Tag/docs/blob/main/Tag_Immutability.pdf)

Thank You!