

# Open Source in News Media

Hsin-chan Chien  
[hcchien@gmail.com](mailto:hcchien@gmail.com)

# About Me

---



- Hsin-Chan Chien (HC)**
- 2006 - 2014 OSDC.tw organizer**
- 2006 - 2015 Yahoo Taiwan**
- evangelist in “The Reporter”  
from Sep. 2015**
- Mirror Media Sep. from**
- Photographer**

與 open source 相遇

# **Perl/PHP/Python Party 2003**

# **YAPC::Taipei**

## **2004-2005**

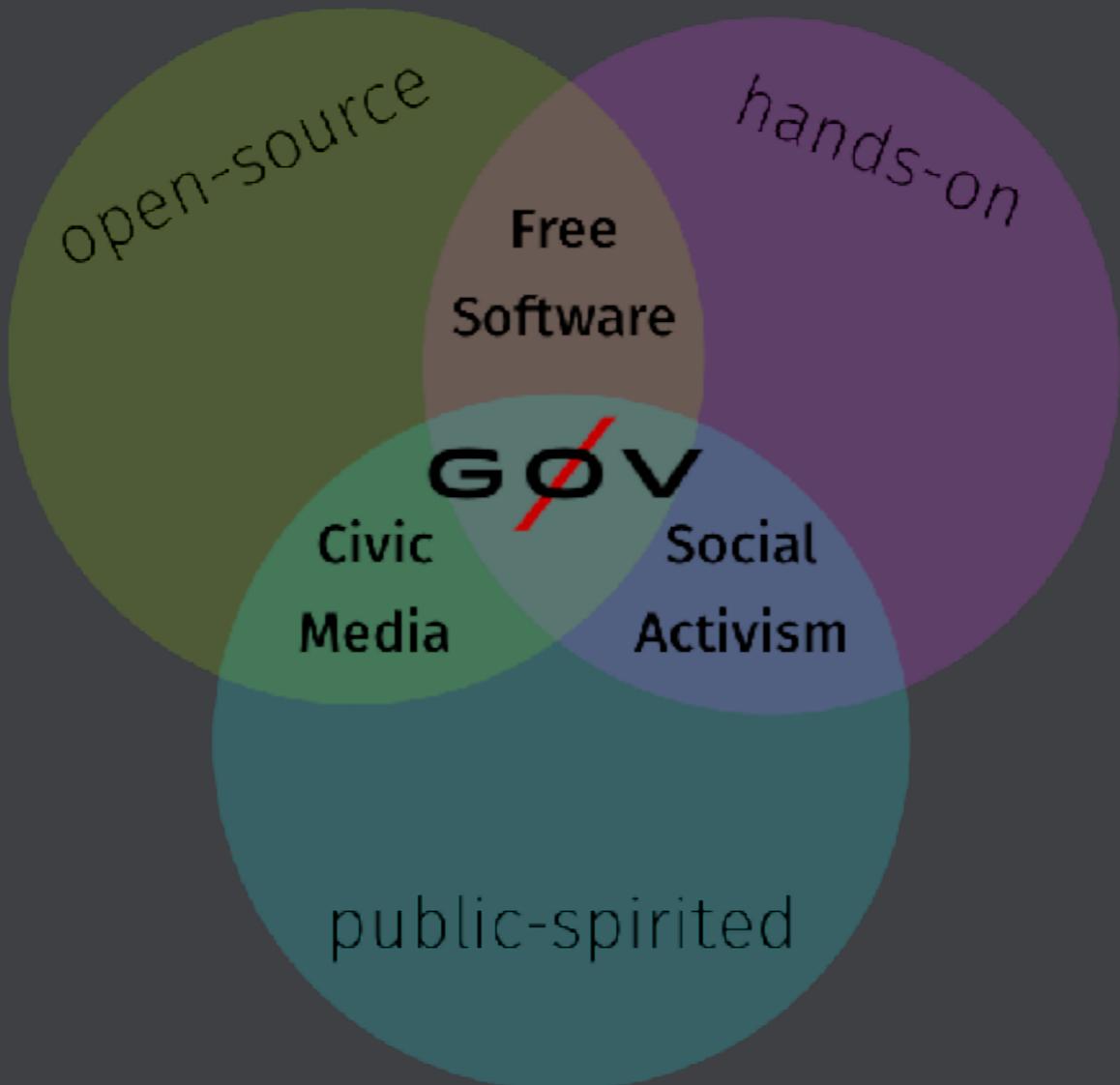
OSDC.tw  
2006-2014

We have more and  
more conferences

# And then . . .

單位：行政院  
篇名：整體篇  
版本：國語版

2012.10  
gØv.tw

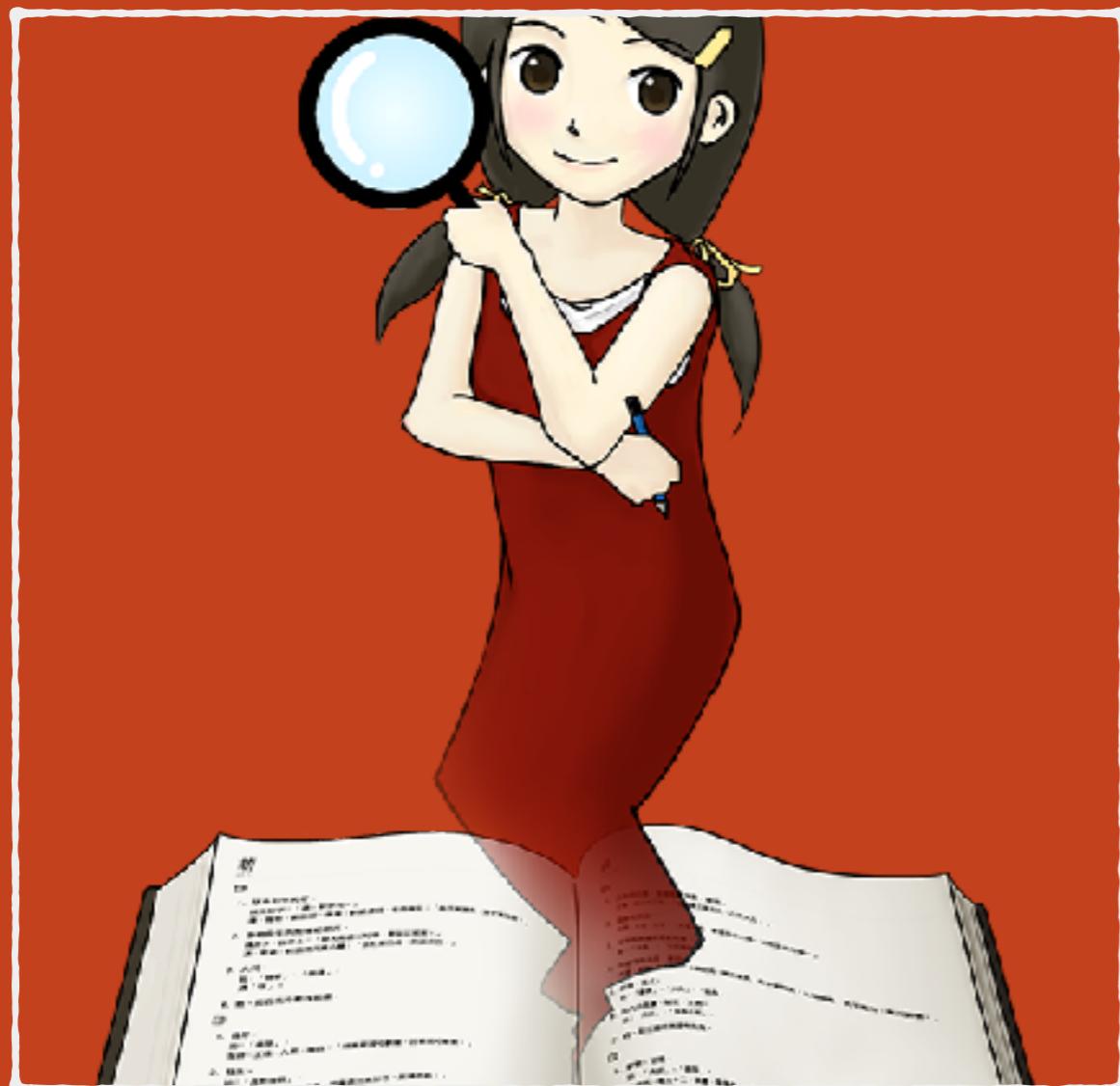


# About the gØv

---

# More about the gØv

---



- decentralized civic tech community**
- Ask not why nobody is doing this, you are that nobody**
- Not only political, but also culture and art**
- Not only virtual, but also physical**

The screenshot shows the CODE4HK Occupy Central dashboard. On the left, there's a sidebar with a user profile picture, a '請輸入' input field, and a list of 28 friends. Below that is a section titled 'Italg' with text about the Umbrella Revolution and a link to <https://kauitai.com/>. The main content area has a header 'CODE4HK' with a search bar and a share button. It features a large blue banner with the text '和平佔中' (Peaceful Occupation) and 'LOVE AND PEACE'. Below the banner is a 'Show Video Stream' button and a search bar. The main feed displays several tweets from September 30, 2014, at 15:38:24, 15:38:32, 15:38:10, and 15:38:14. These tweets show protesters holding signs and a yellow umbrella. To the right of the tweets is a chart showing data over time, with categories like '台大' (National Taiwan University), '中大' (The Chinese University of Hong Kong), '傳媒' (Media), '港府' (Hong Kong Government), '抗議' (Protest), '支持' (Support), and '北馬魯' (North Malaysia). The bottom of the dashboard has a 'Projects' section.

# Projects

---

# open data 的 意外之旅

# 2014.10

# gØv summit



📍 台北市中研院人文館、中研院資訊所

📅 2014/11/8. 2014/11/9



And,  
OSDC.tw 2014

**Promote and  
Use the open source**

動手做

---



為什麼是  
報導者？

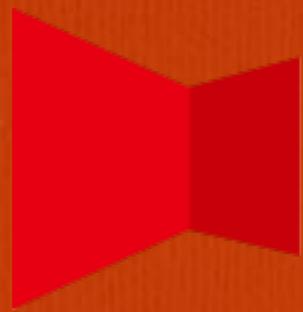
**2015**  
**The New Media**



But News Media...

2015/09

# The Reporter



報導者

THE  
REPORTER

# About The Reporter

# The Reporter

---

- Non-profit organization
- Slow journalism
- Visualize/Interactive
- open source / open content



# Why Open Source

---

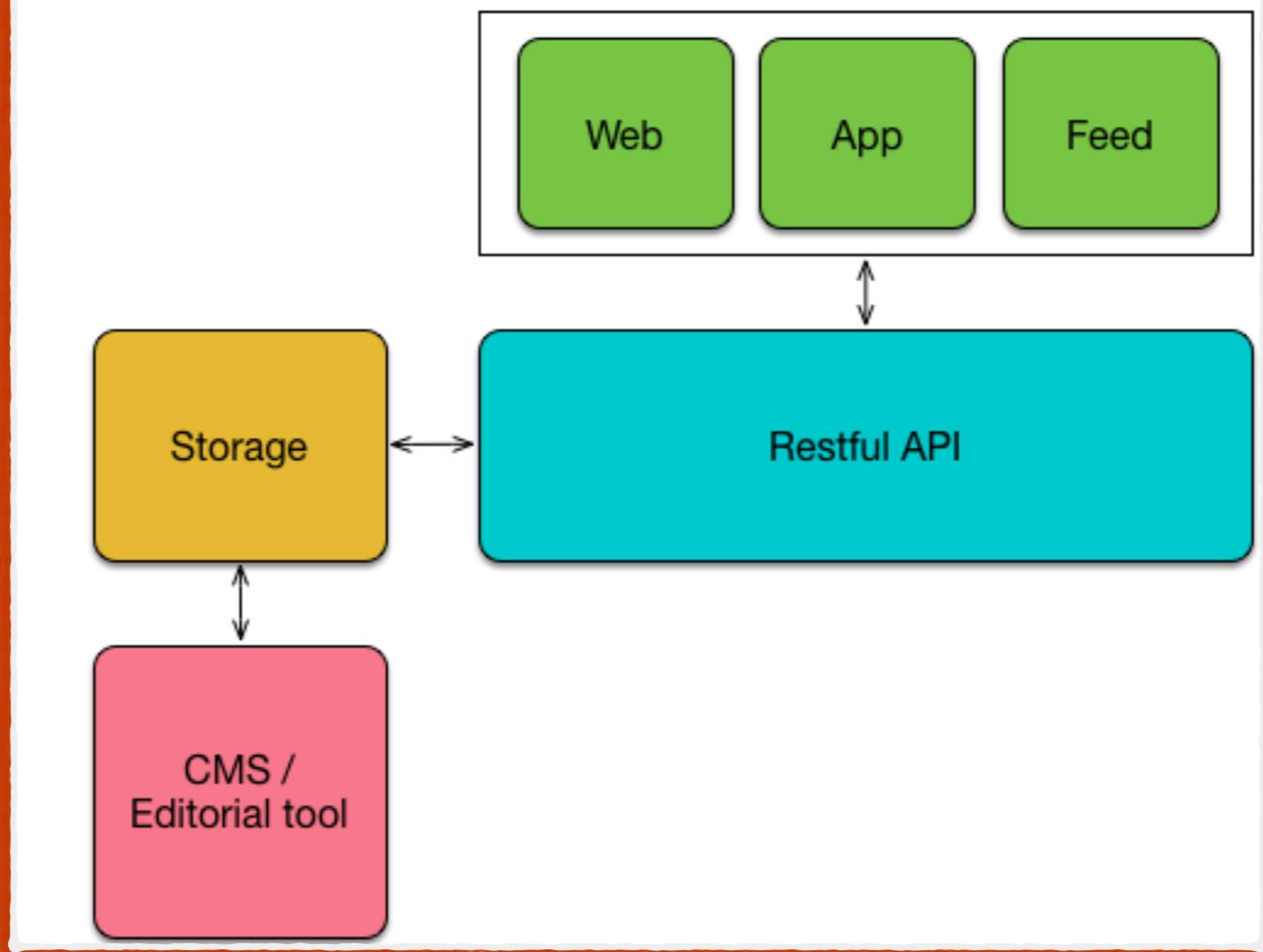


- Reusable technology is not the core in News**
- Good News Media is an important part for democracy**
- Just make people can build a basic news site with lowest cost**
- We need more media related innovation in Taiwan.**

# Start

---

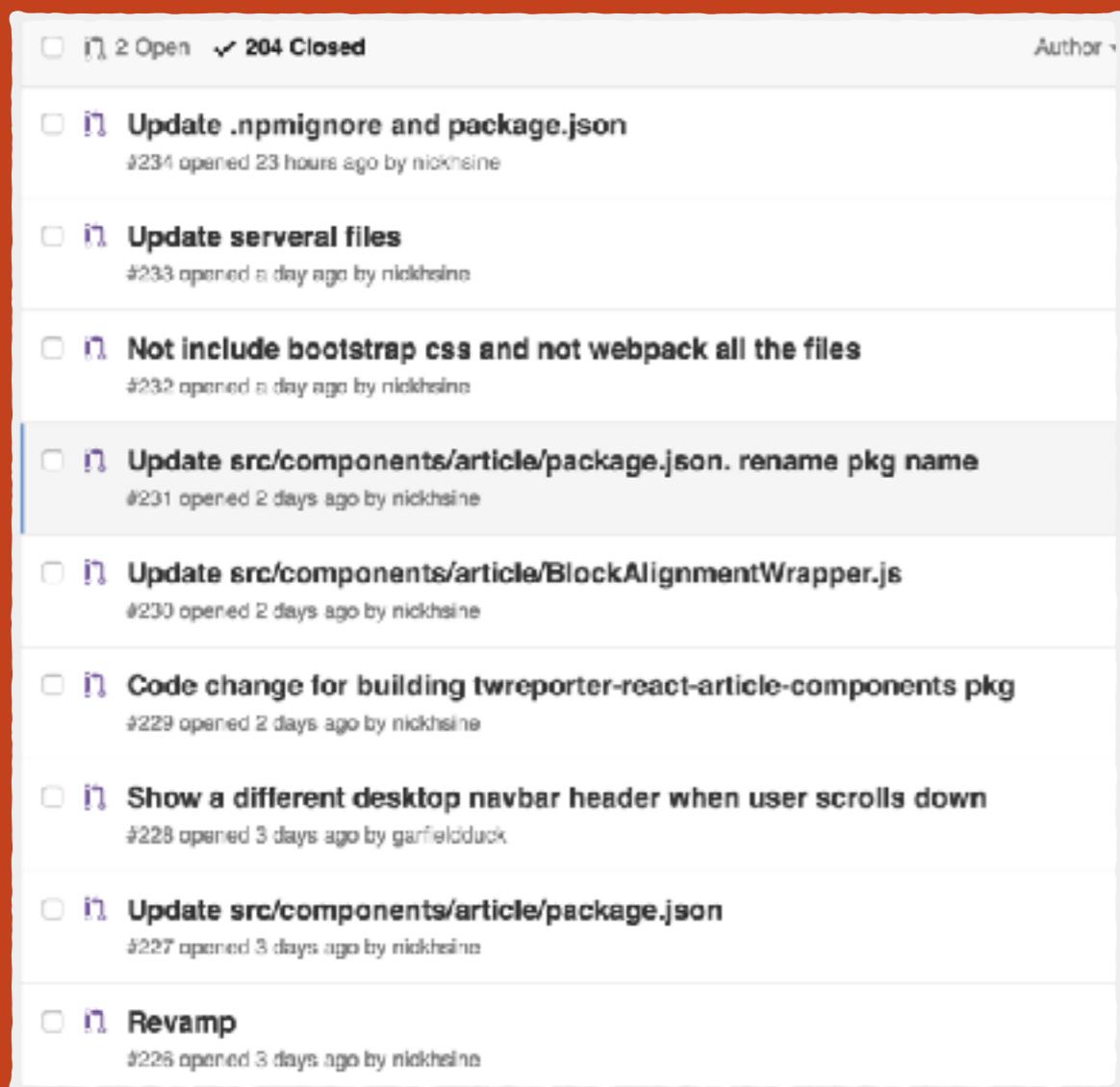
- From Scratch
  - 9/14 on board, 12/16 launch
- Wordpress is super easy?



# Arch.

---

# Does it Work?



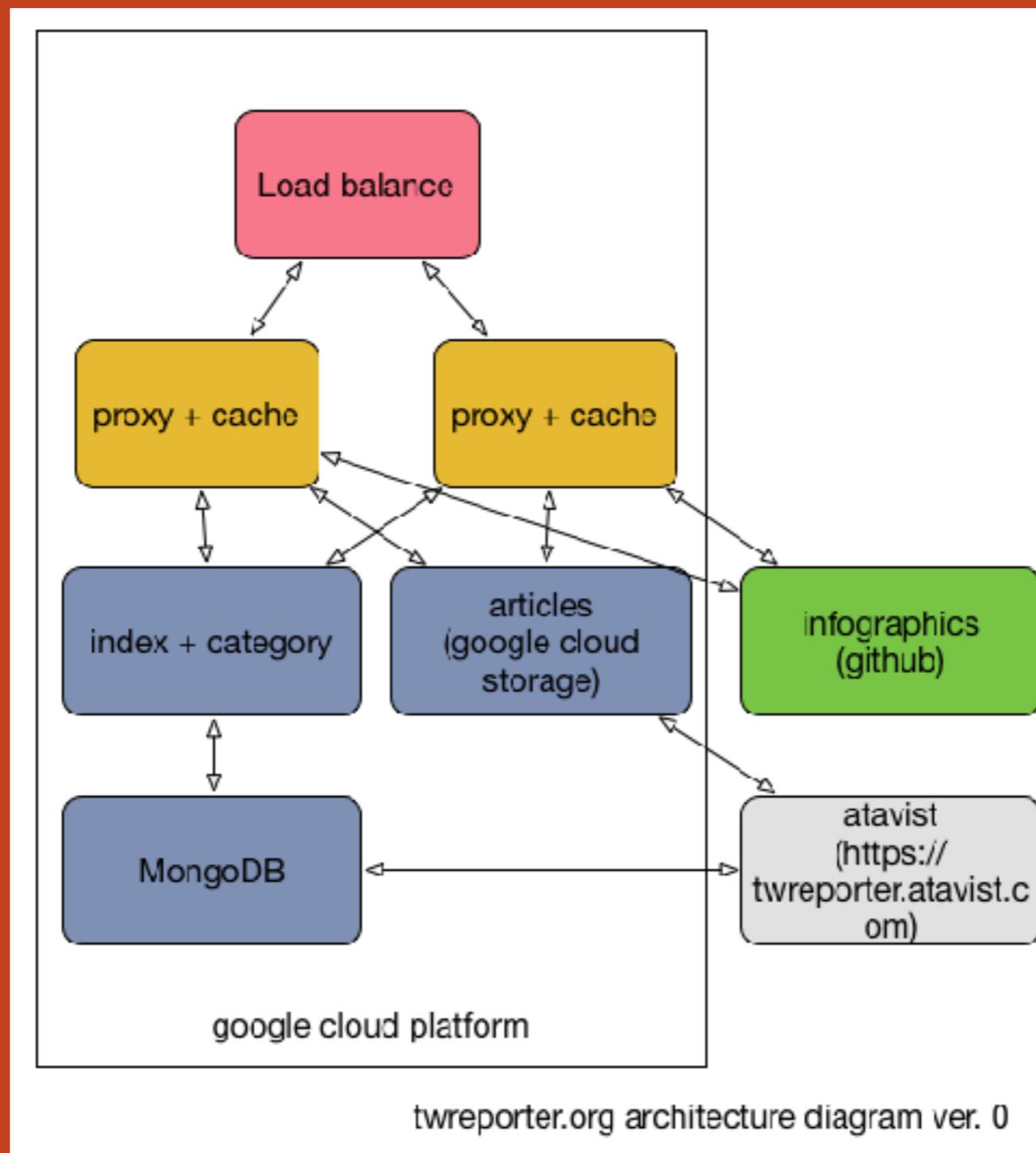
- about 20% PR are from community**
- The RSS feature comes from community**
- 16 watch, 35 forks and 135 stars in github**
- bunkobon**
- Yakitori**

# Tech Stack

---

- React + Redux
- Eve framework by Python
- Apache traffic server
- MongoDB

# Version 0. diagram

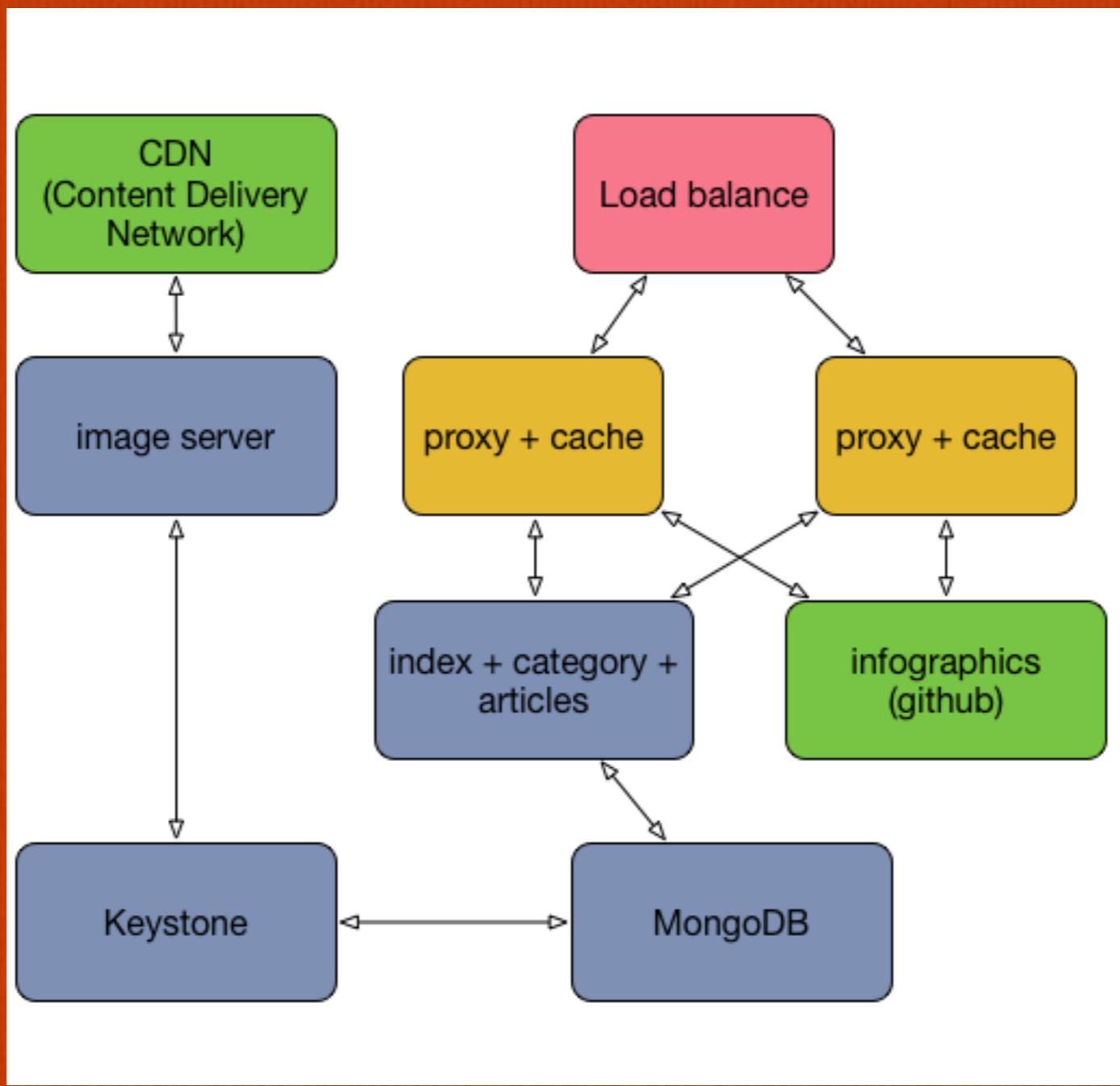


# The issues

---

- Atavist is hosted service, and we have the performance/latency issue
- We can't make it fulfill the requirements
- Polymer is not really good for reuse.

# Version 1. diagram



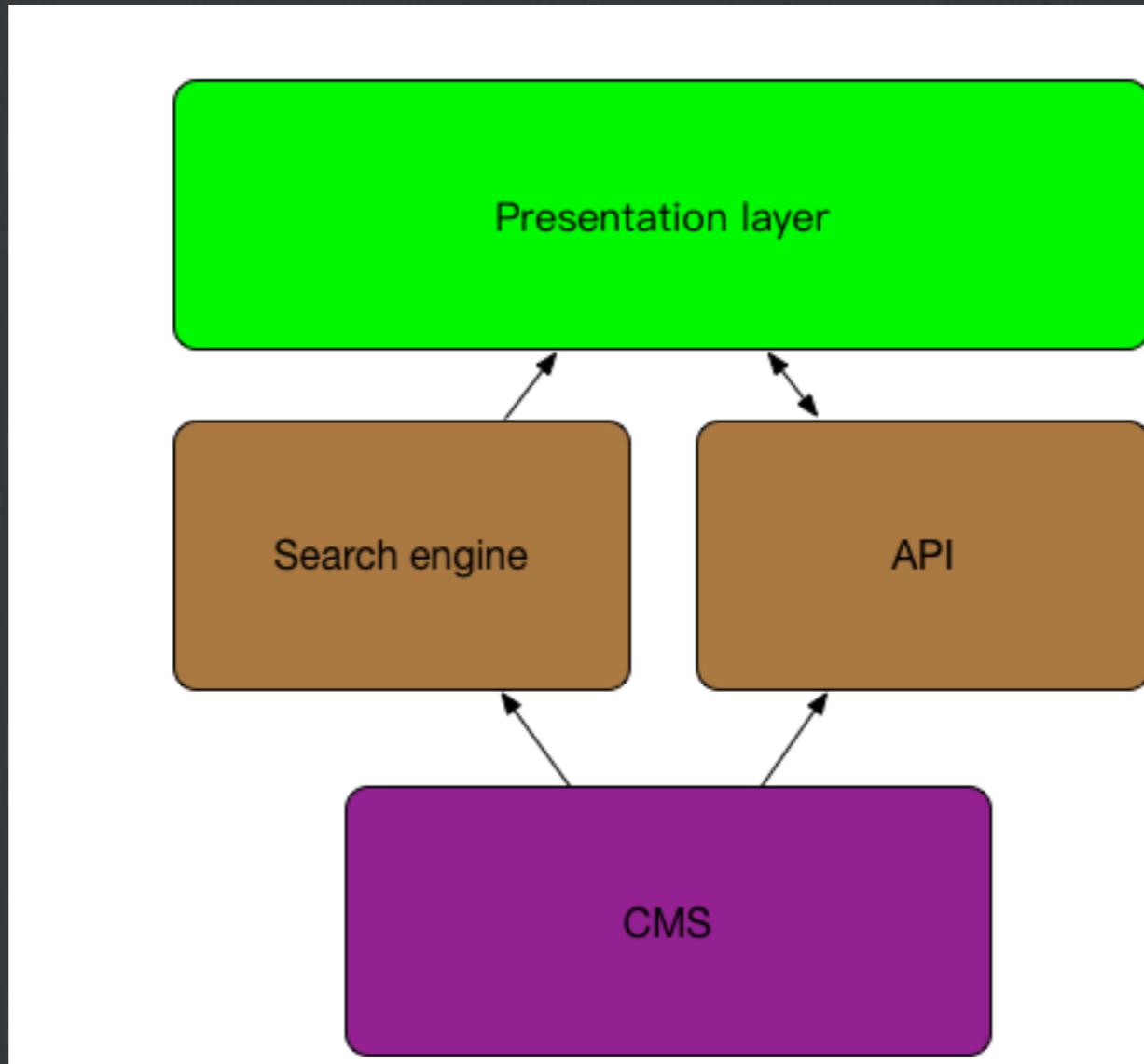
# Complicated?

---

- CMS? Wordpress
- Component(s)?
  - API layer
  - Frontend servers
- Scalable
- Easier to reuse

# Components

---

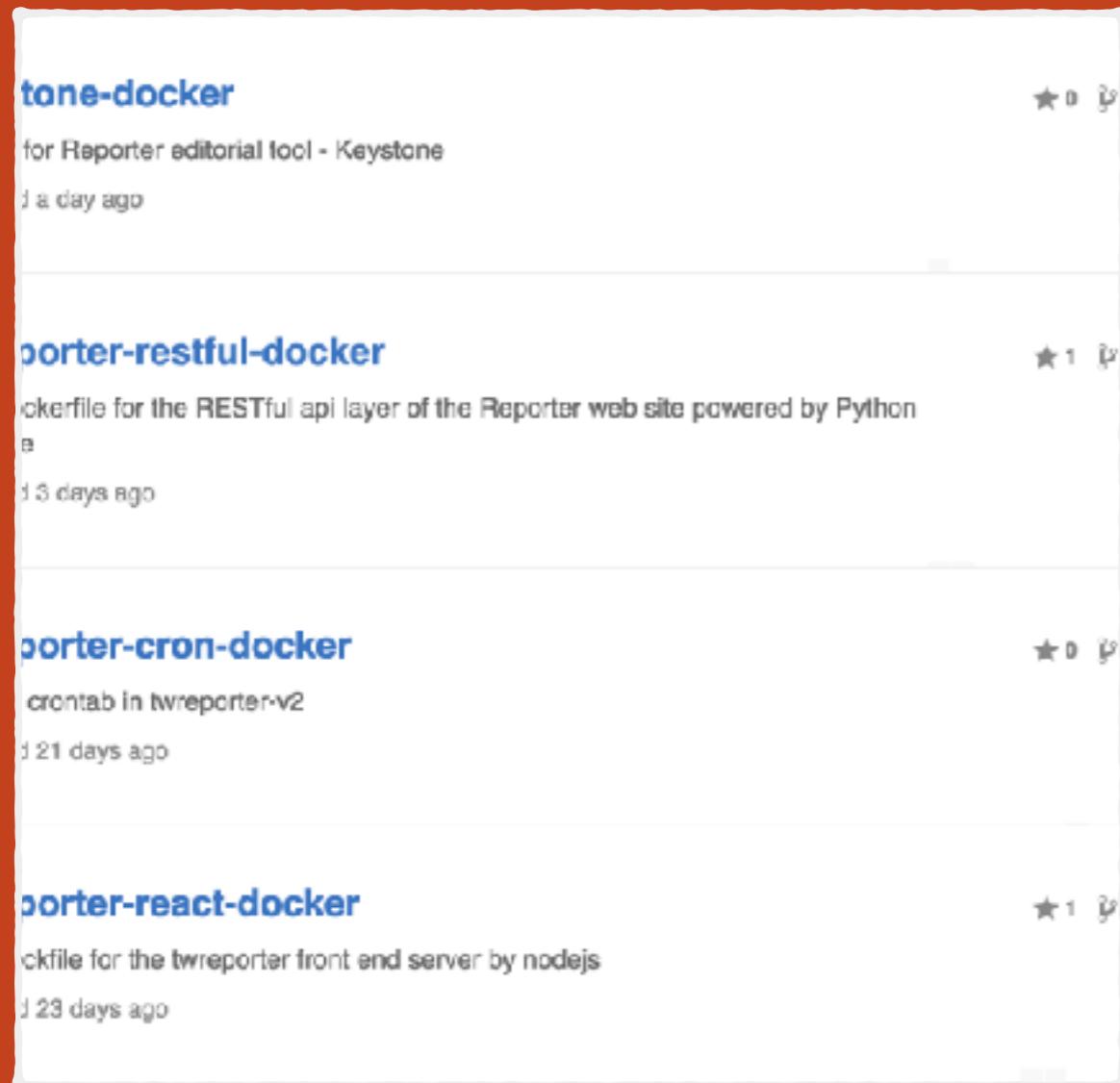


# Keystone.js

---

- <http://keystonejs.com/>
- We want to make the editorial tool more friendly to the editors.
- Keystone.js is more like a blog system for the content editing.
- Draft.js provides the possibility.

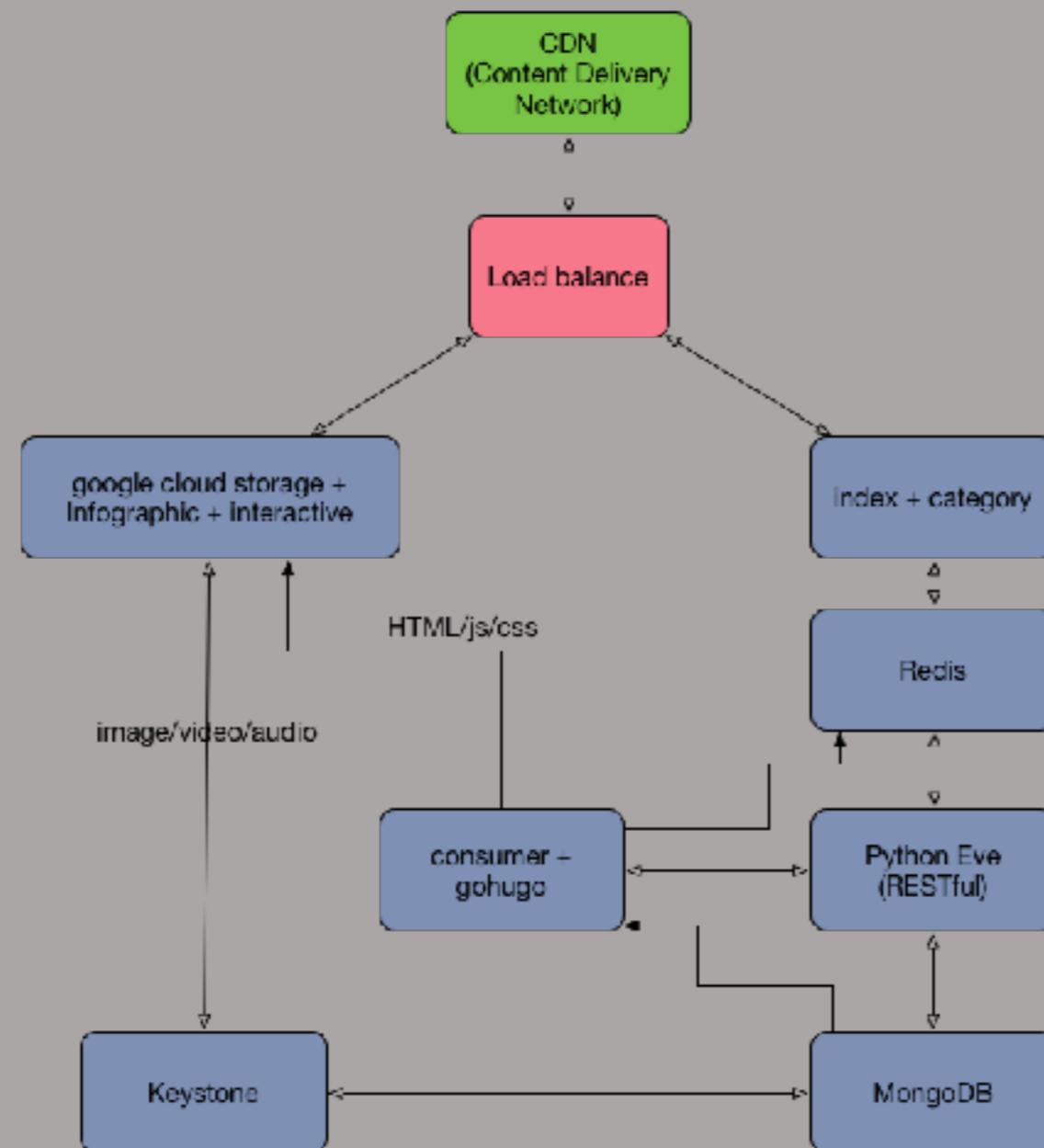
# The new tech stack



- Apache Traffic Server
- MongoDB
- React + Redux
- Eve by Python
- Docker

In Mirror Media. ....

# The new design



# About statics pages



- performance
- less modified
- categories/tags pages
- the latest-news modules
- more ajax

# What is the next?

---



- APP
- Visualization tools
- Recommendation
- AMP (Accelerated Mobile Pages)

# Additional components

---

- Elasticsearch
- Logger
- App (React Native)

# Lesson Learn

---

- Transitional Industry**
- Engineers don't want to join the industry**
- What will be good for News site?**
- Building environment is more important than building source code.**
- Architect design is important.**

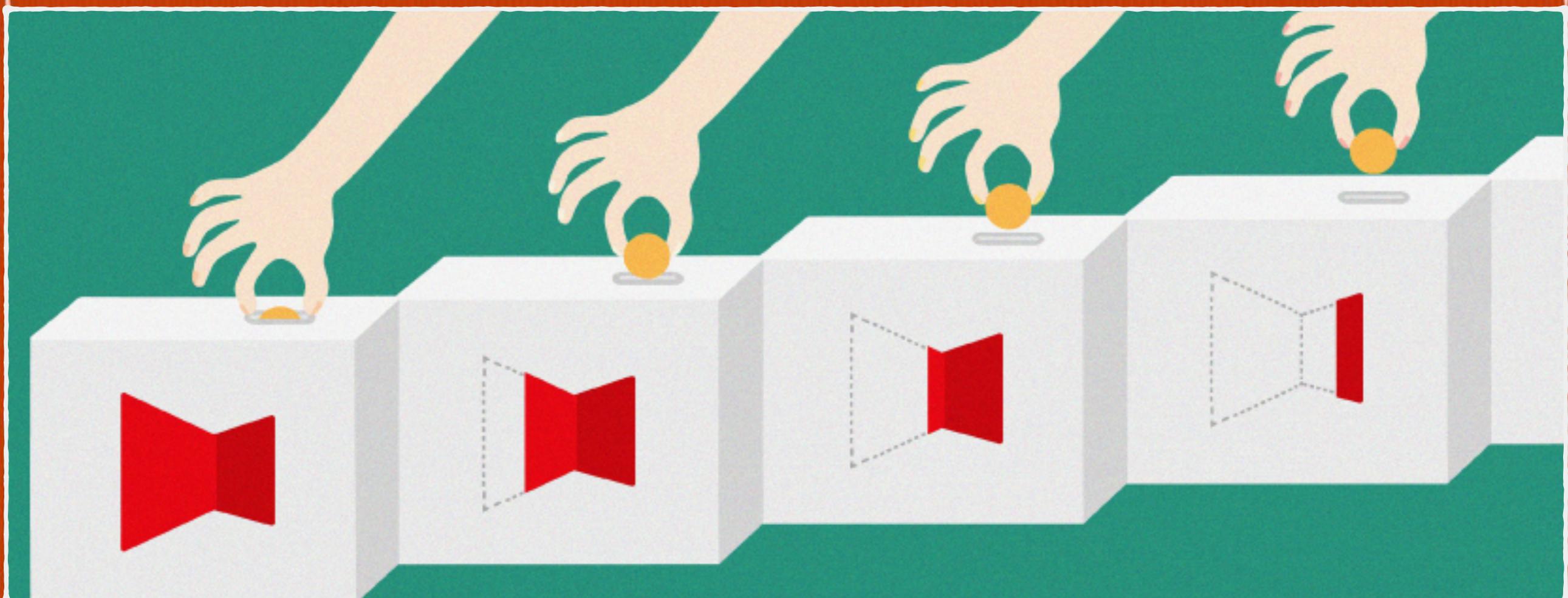
**WORK?**

[https://github.com/  
mirror-media](https://github.com/mirror-media)



Thank You

**WE'RE  
HIRING!**



# 徵求贊助

---

<https://www.twreporter.org/>