

# Quality vs. Quantity

Yegor Bugayenko

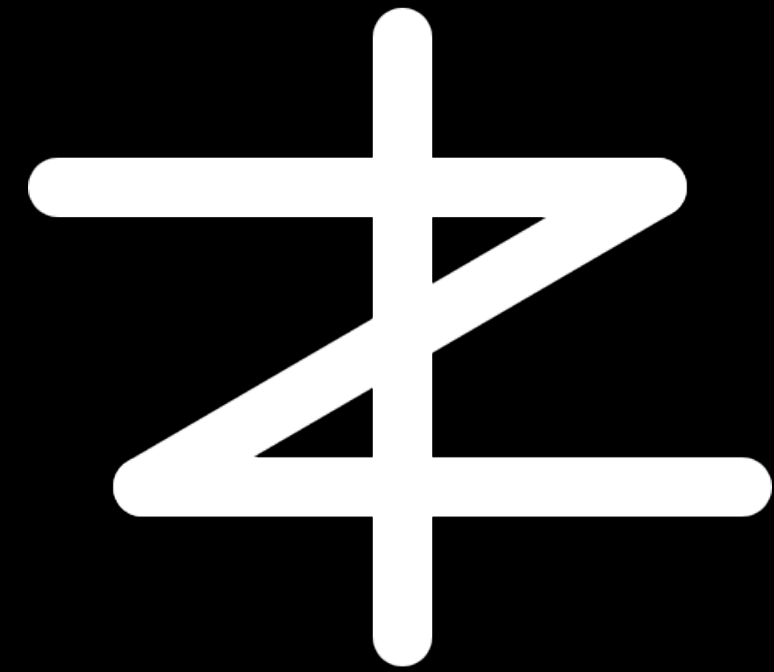
Joker 2018

St.Petersburg, Russia

20 October 2018

The Gist:

Mistakes must be  
forgivable, not enough  
code—not.

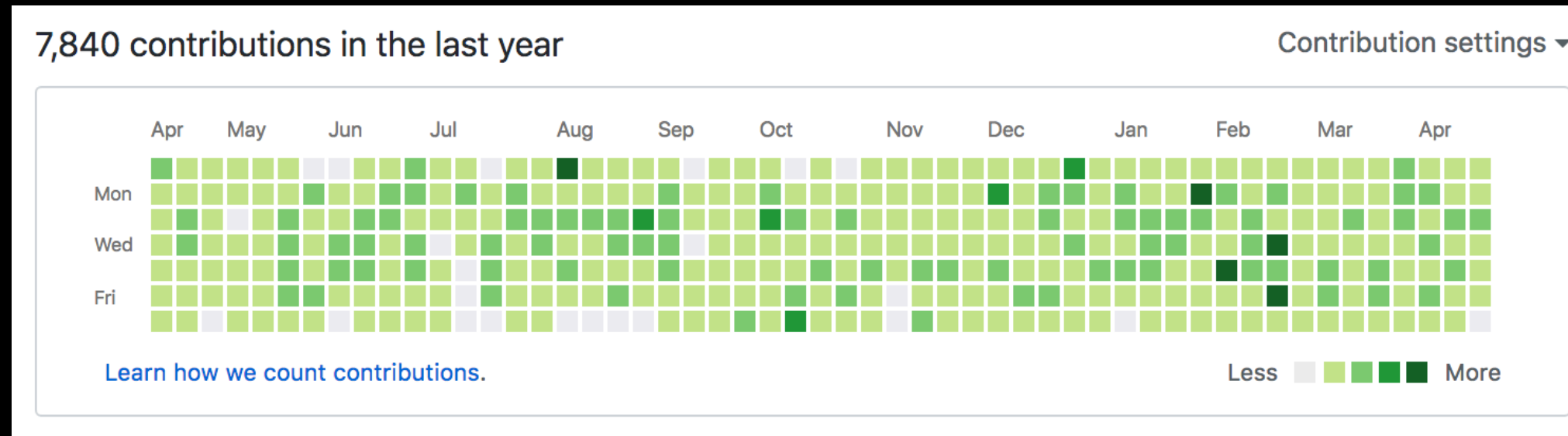


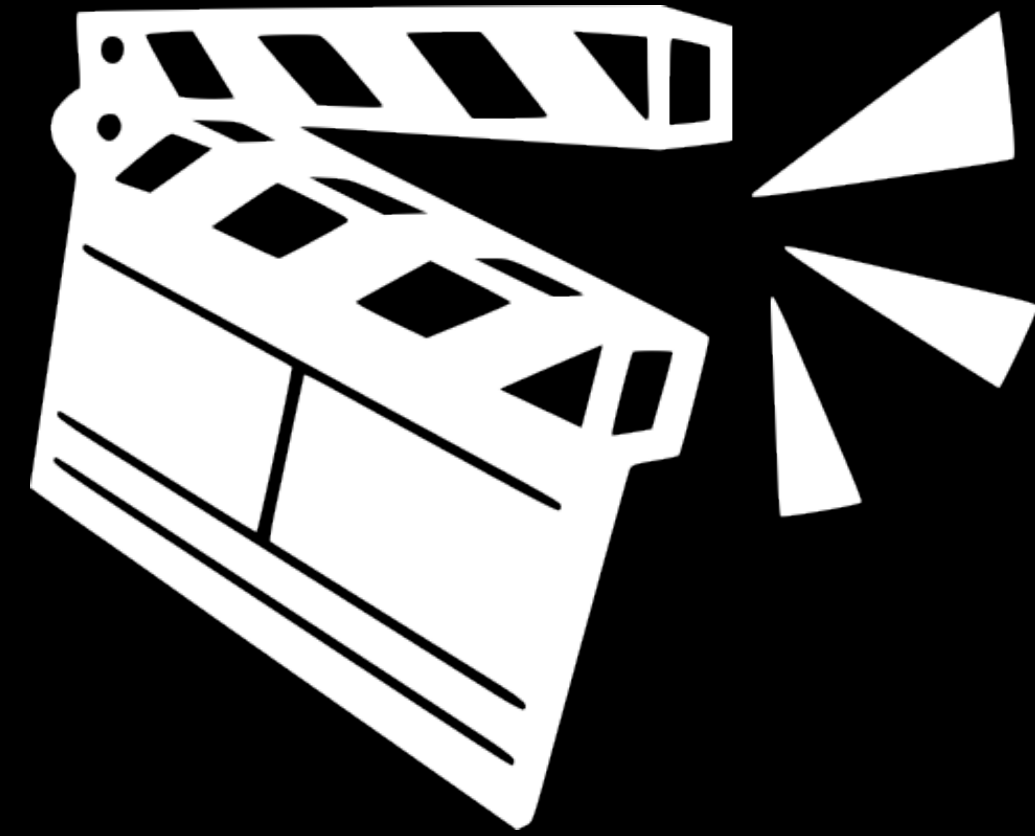
Zeroocracy



@yegor256

1.9K

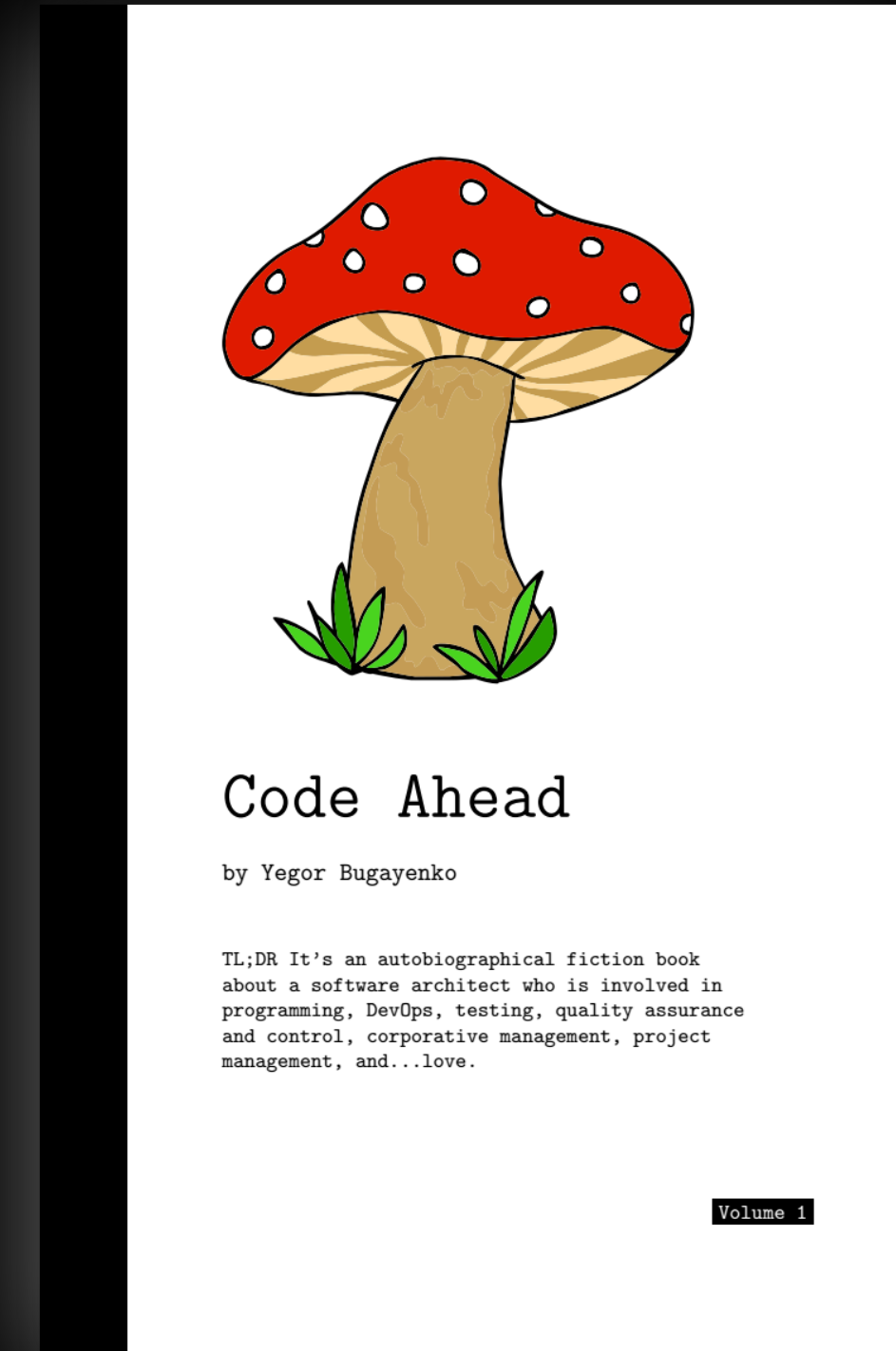




takes.org



[cactoos.org](https://cactoos.org)



3rd Volume  
Summer 2019



@yegor256news



Quality?

Bad Guys?

Can We Improve?

Good

Code

“A good programmer will

use for the code, programmer will

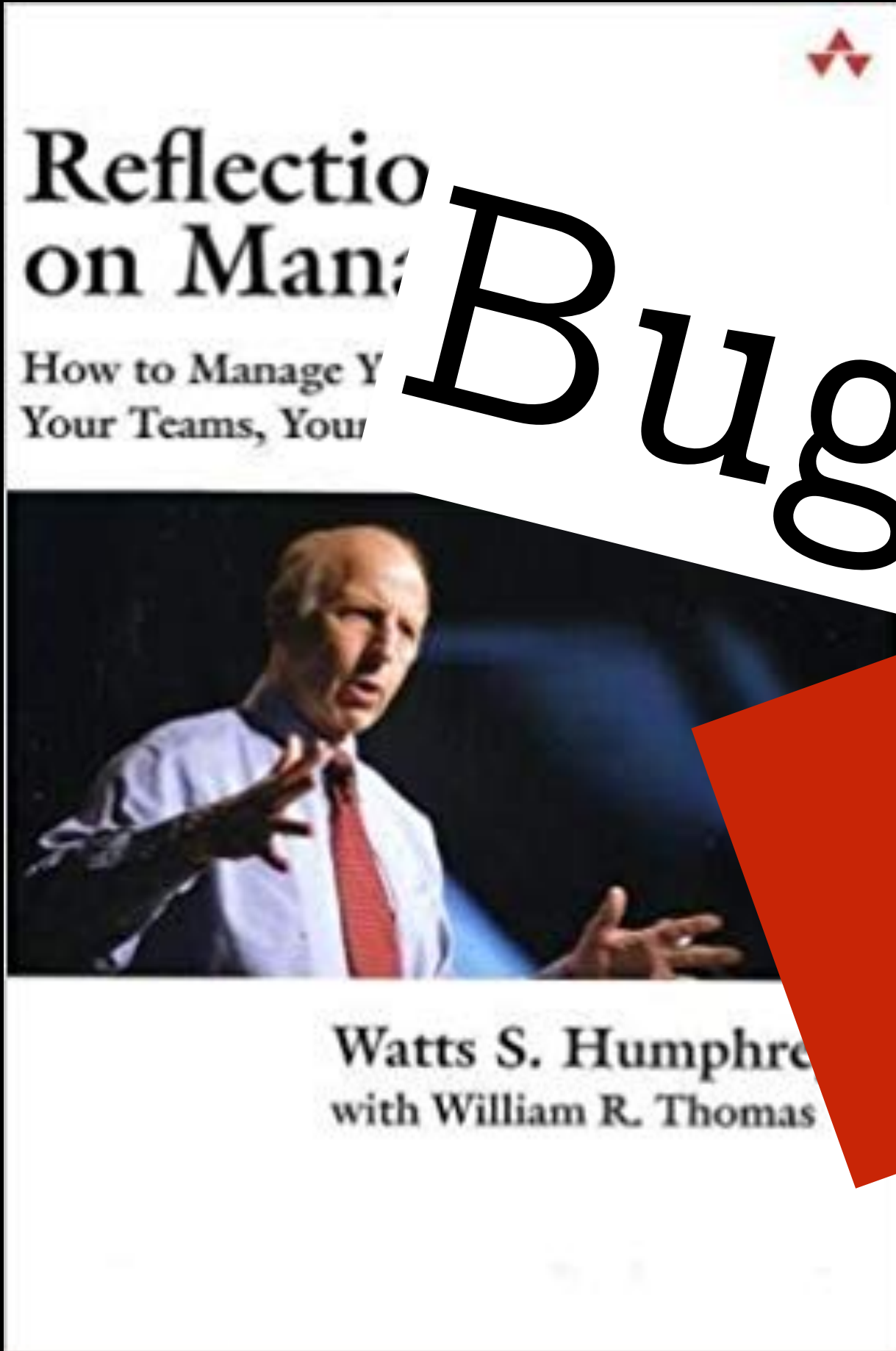
Wrong!

less

Bugs



JOHN C. MUNSON, PH.D.



Bug =

**Wrong!**

Bomb

“Some people mistakenly refer to software defects as bugs. When called bugs, they seem like pesky things that should be swatted or even crushed. This trivializes a serious attitude. Thus, when bugs left in a program, suppose, however, you would have a few time bombs left in it? Just using a different term changes your attitude entirely.”

# Fear Driven Development

“If you’re scared of making changes, you can’t make something dramatically better, or do that big code cleanup. Maybe you can’t even deploy the code that you already wrote and tested, because it feels too scary. You just want to stick what’s sort-of-working, even if it’s not great.”

“Fear makes you a worse programmer”

Julia Evans, <https://goo.gl/MeLGxN>

Stale Branches

Tech Debt

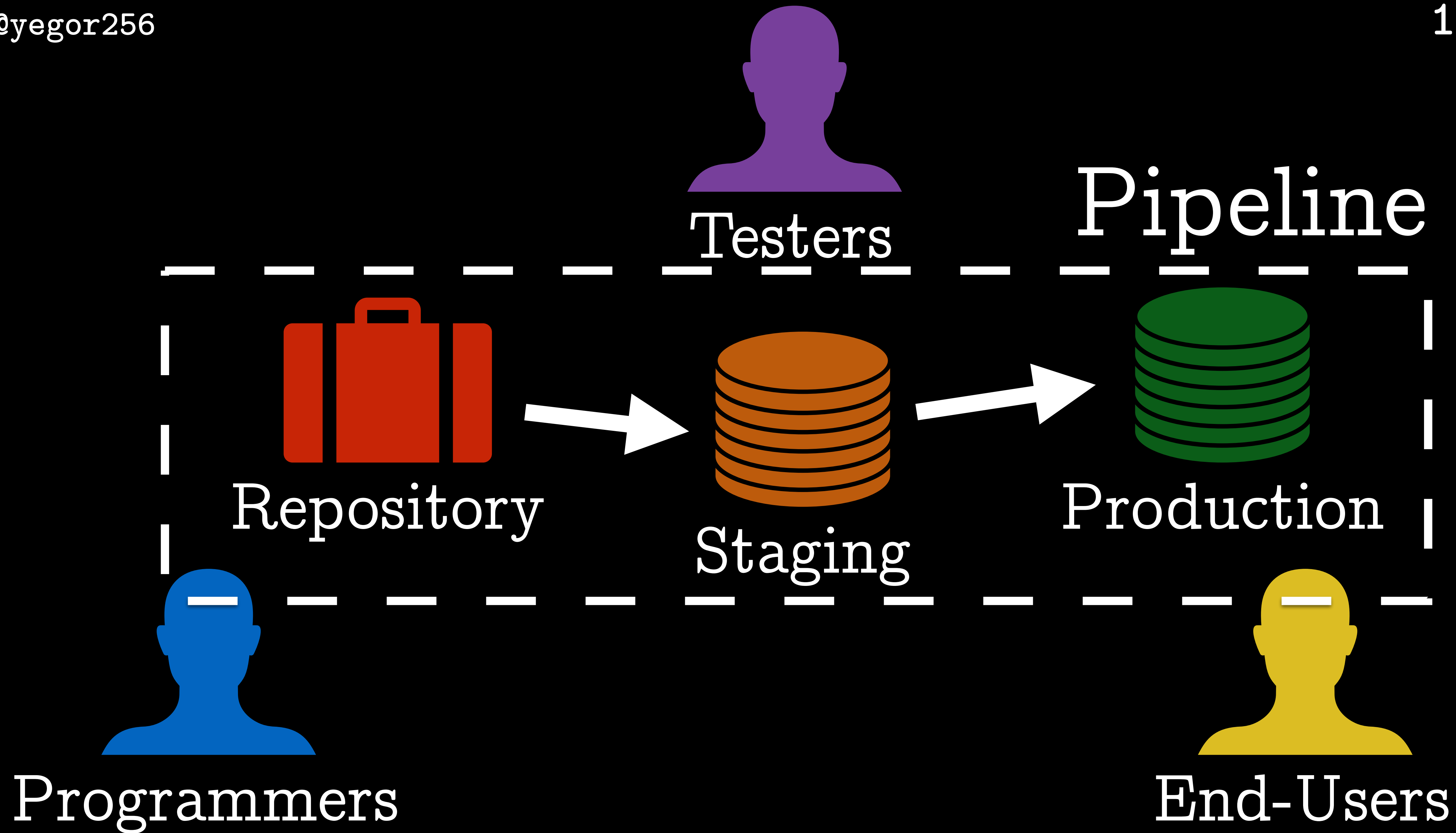
Stress

Boring



Fix the Process, not People

# Blame-Free Environment

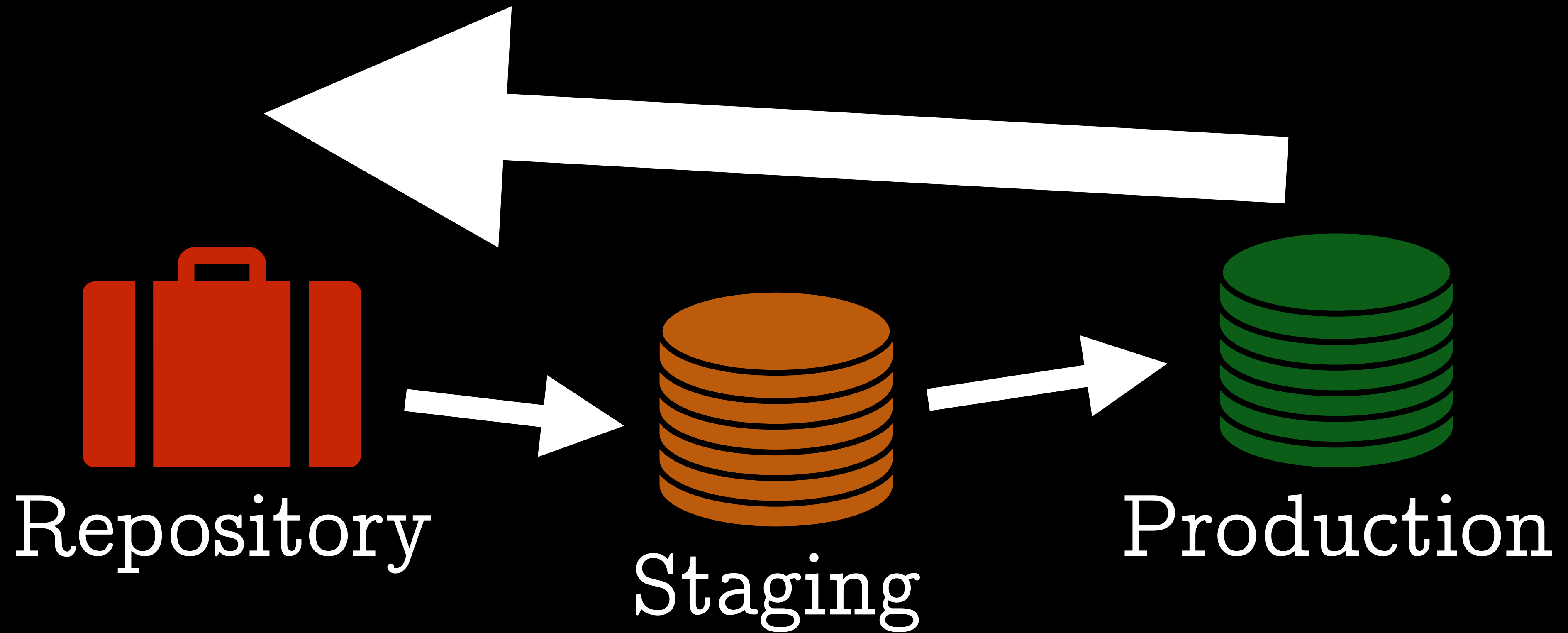


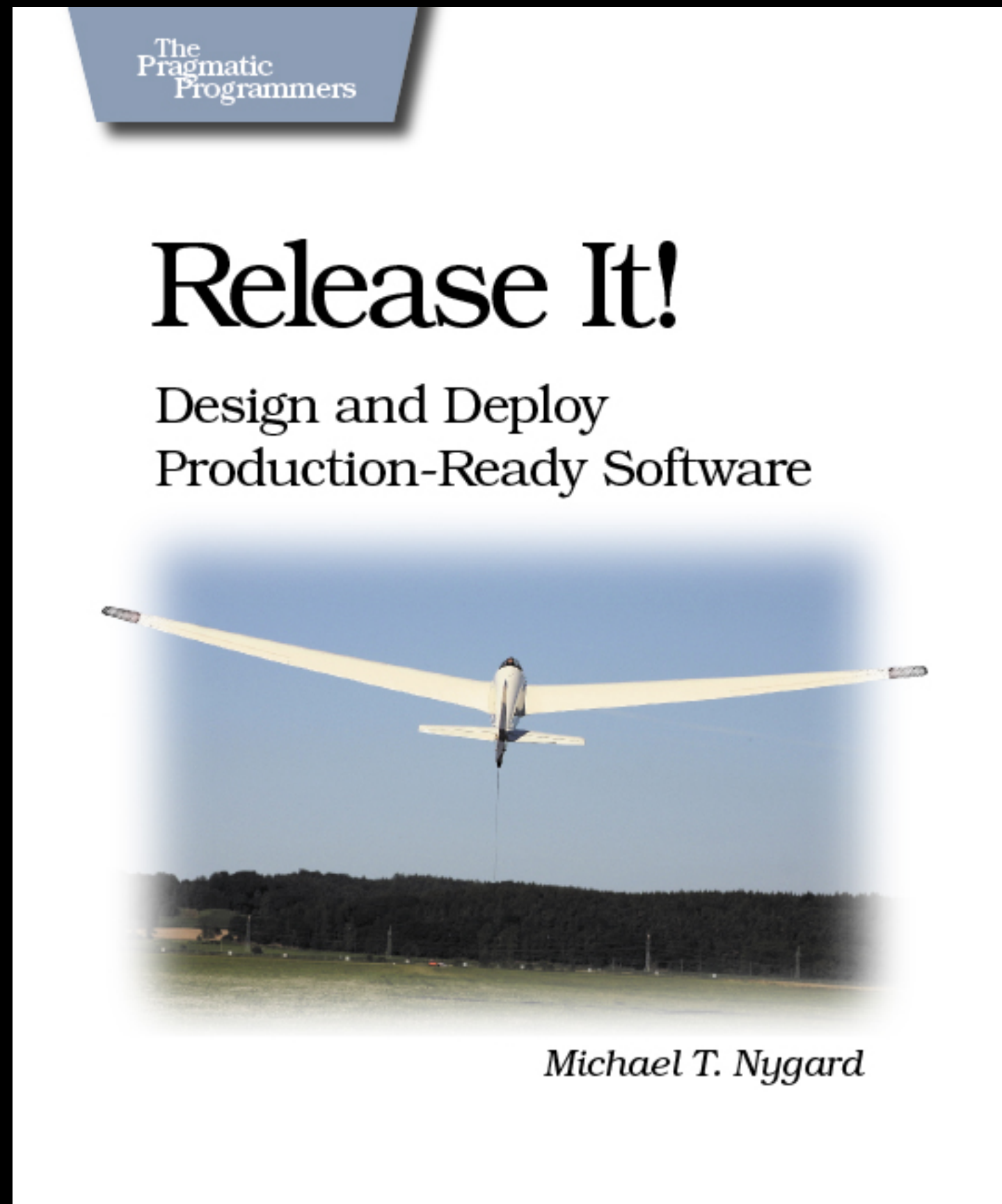
Programmers

End-Users

1

Reject It!





“Each stage of a build pipeline is looking for reasons to reject the build. Tests failed? Reject it. Lint complains? Reject it. Build fails integration tests in staging? Reject it. Finished archive smells funny? Reject it.”

Liquibase

Green/Blue  
Deployment

CI/CD

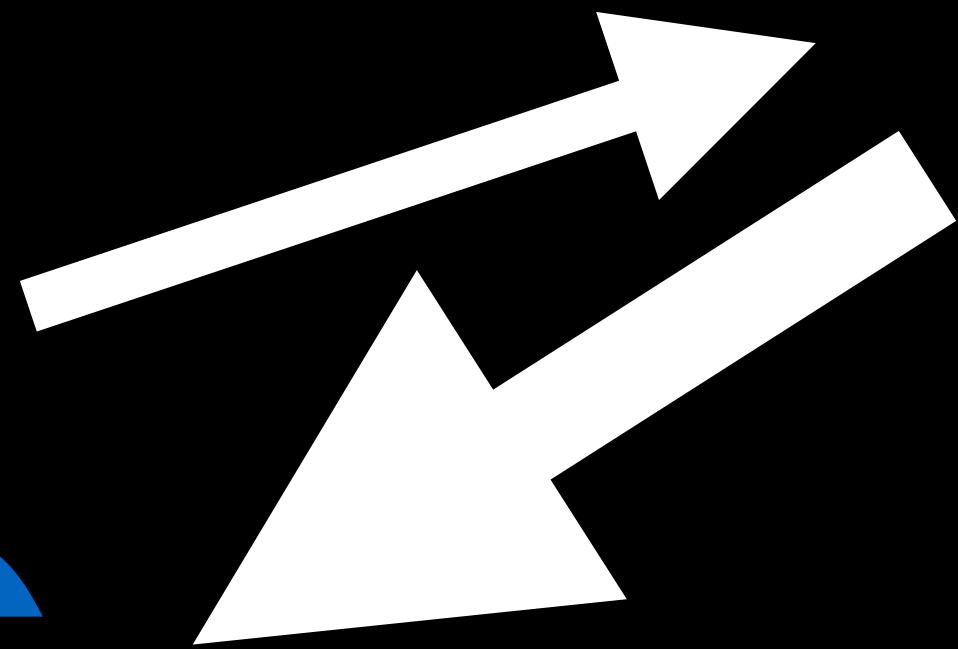
[rultor.com](https://rultor.com)



# Quality Wall



Programmers



Repository

JaCoCo

xTests

PMD

Checkstyle

FindBugs

anti-duplicates

xcop

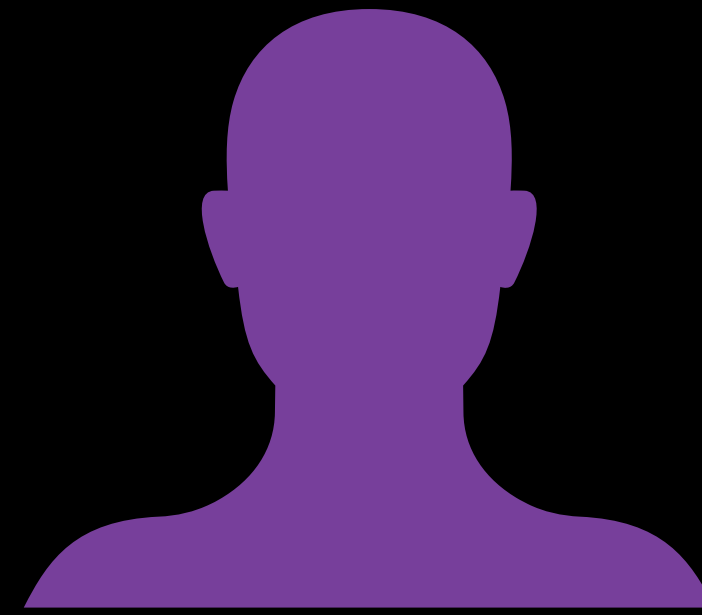
warnings

enforcer(s)





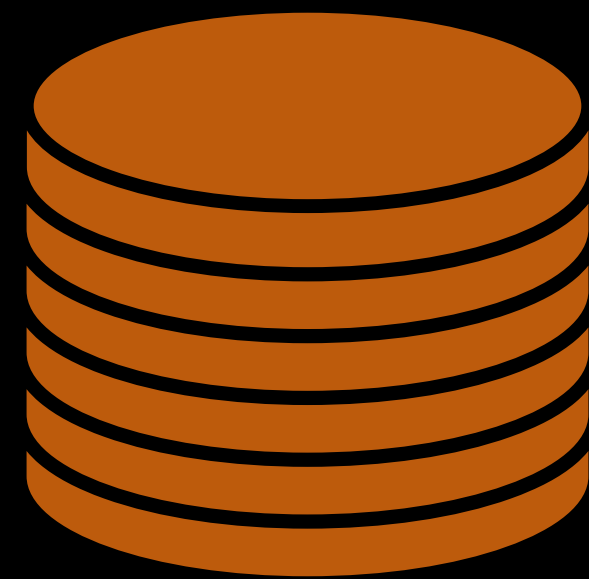
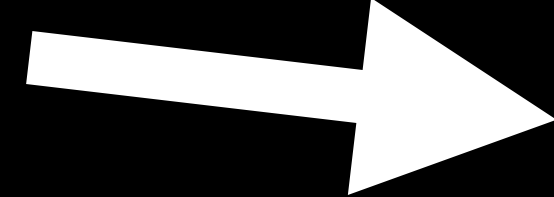
# Testers, Not Approvers



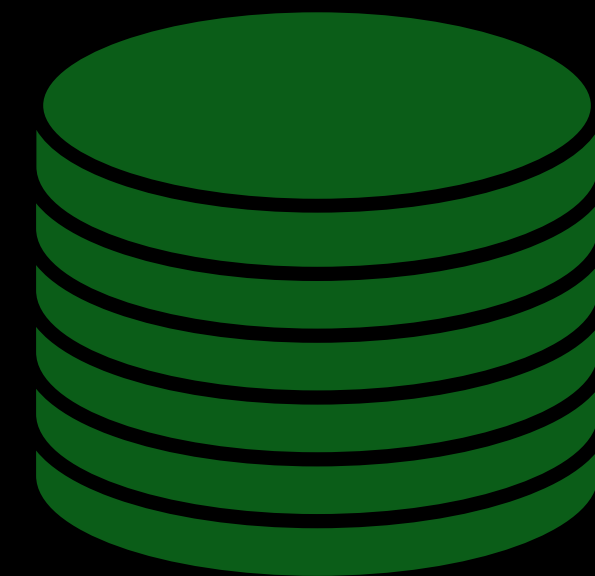
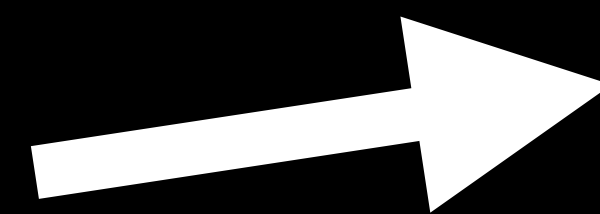
Testers



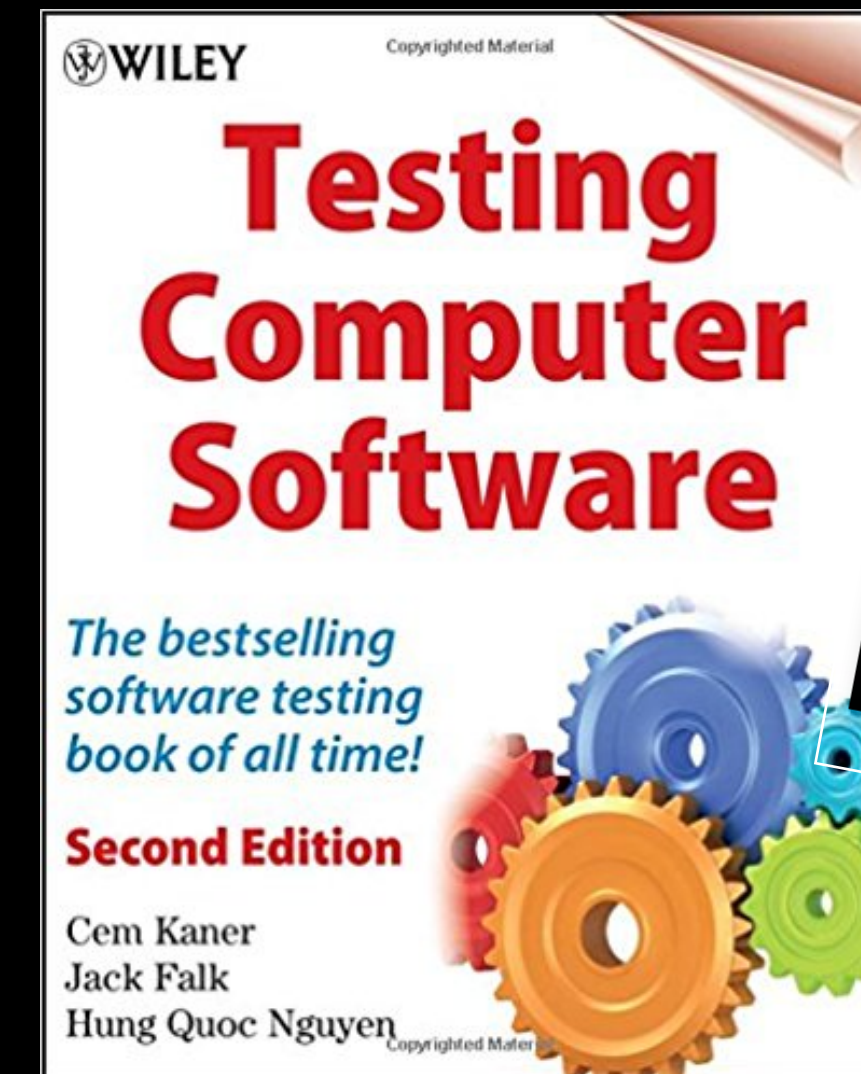
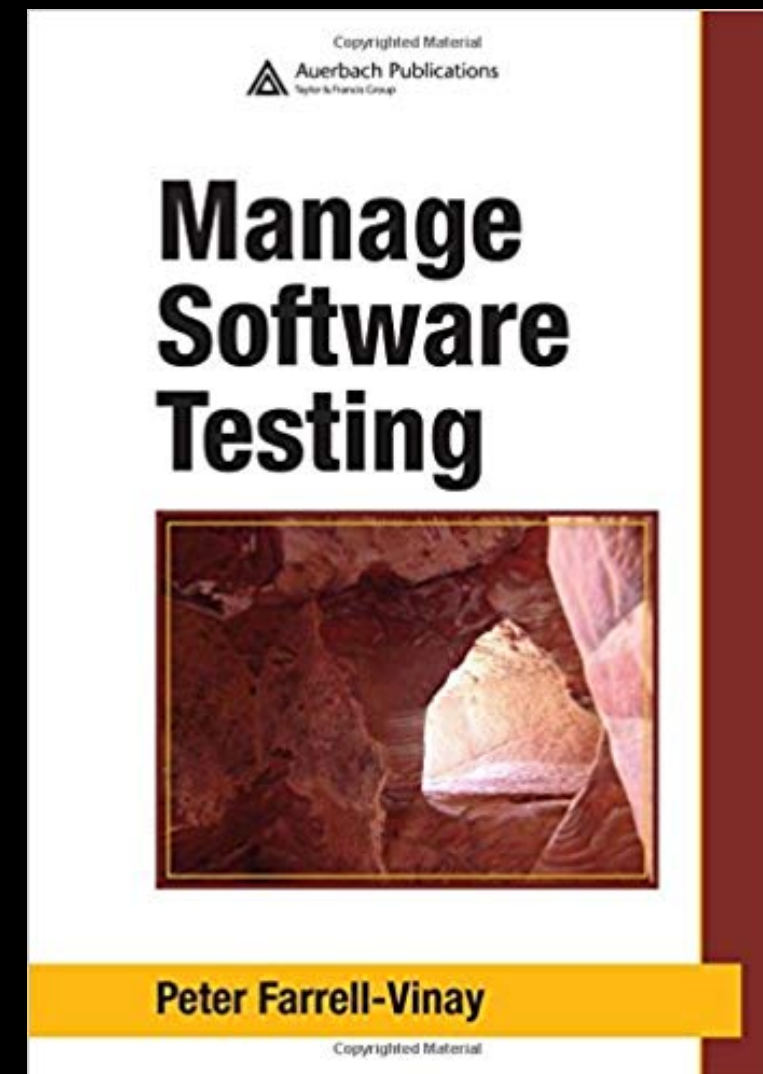
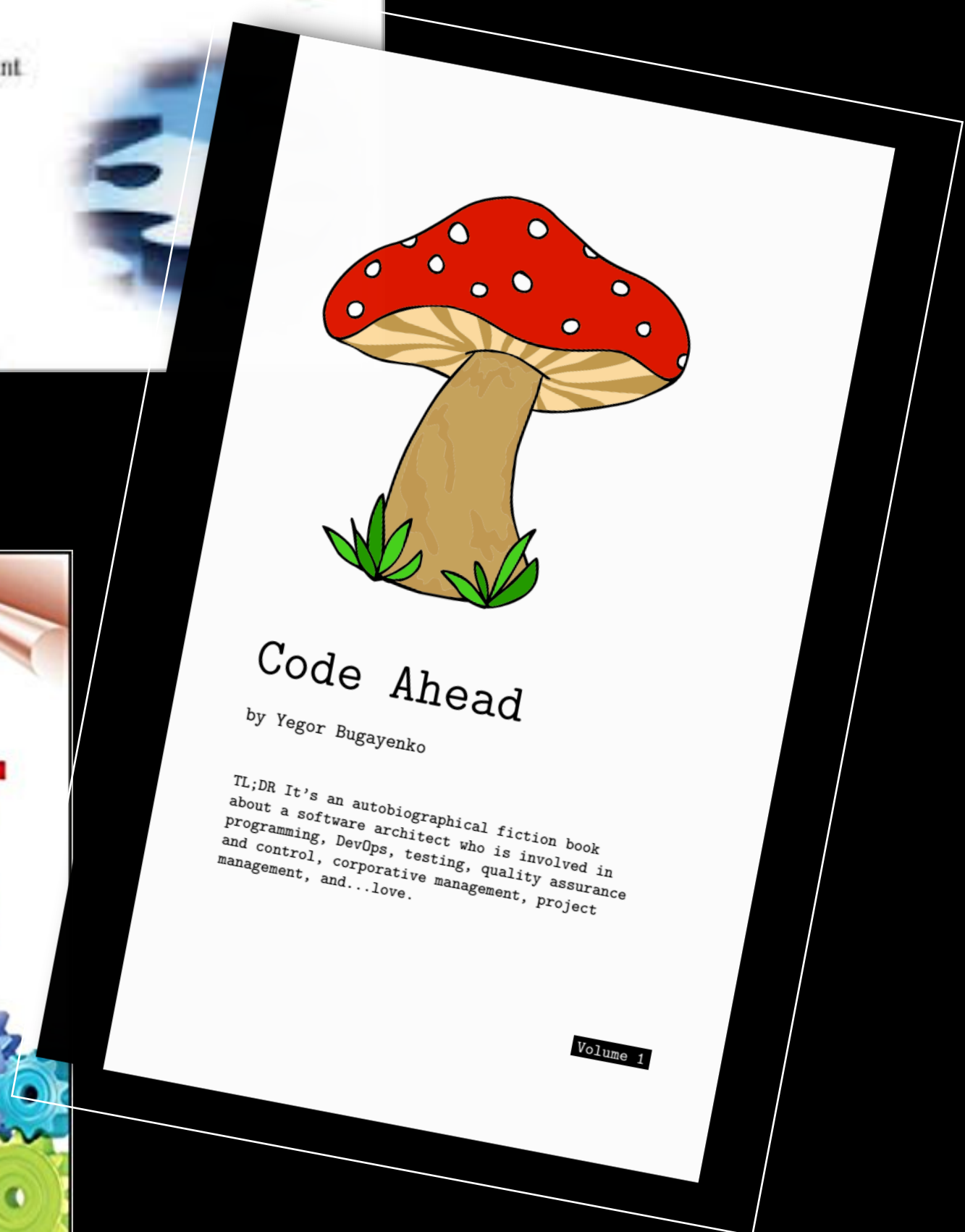
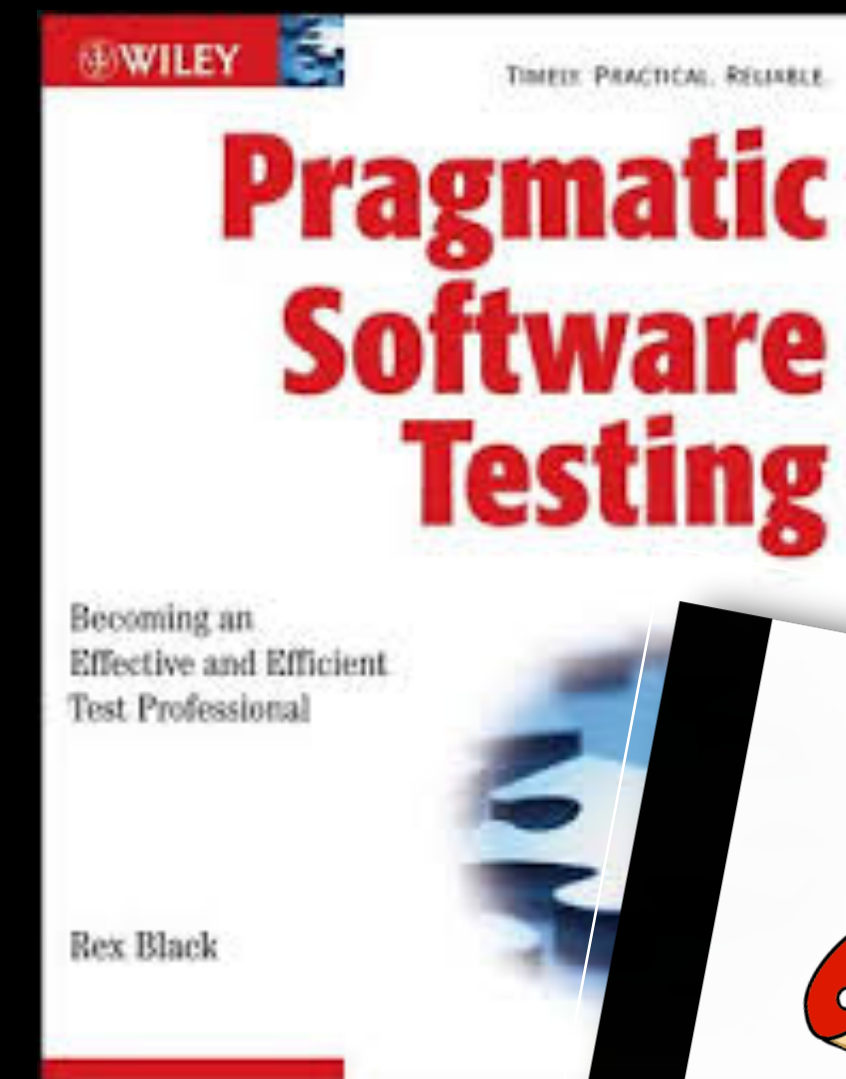
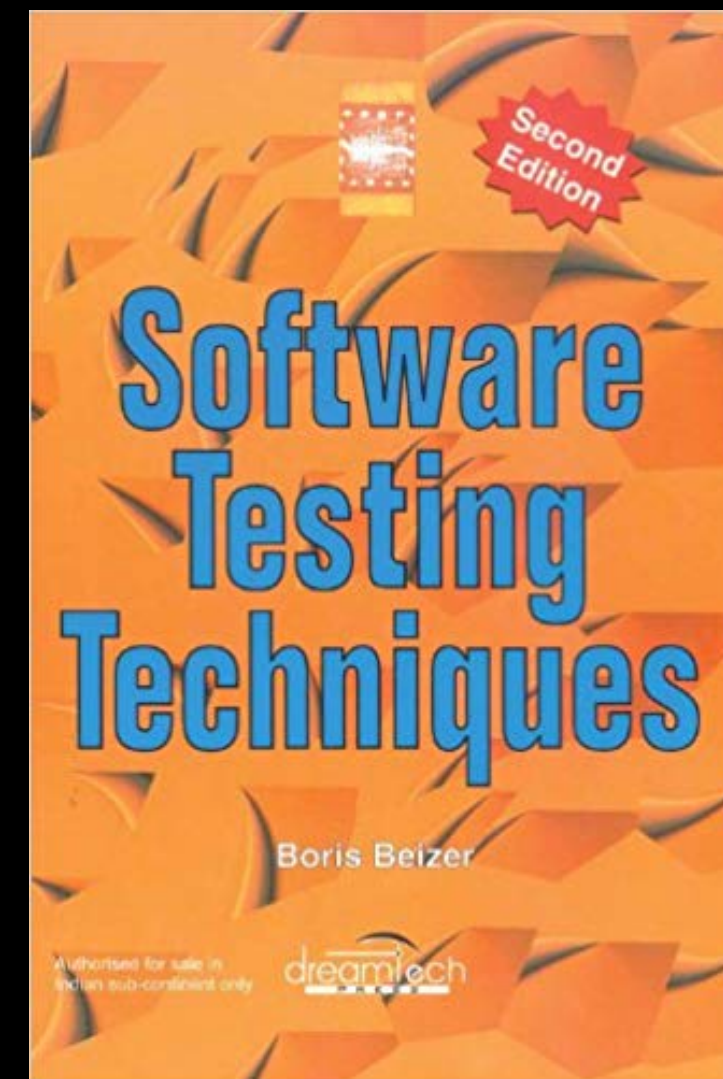
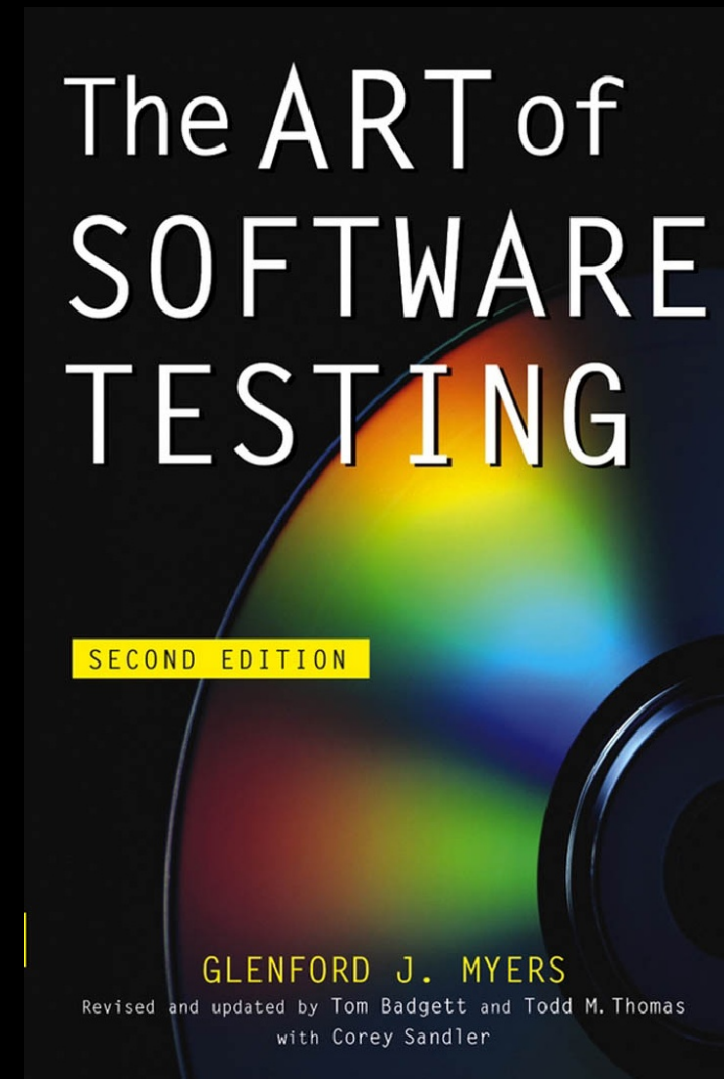
Repository



Staging

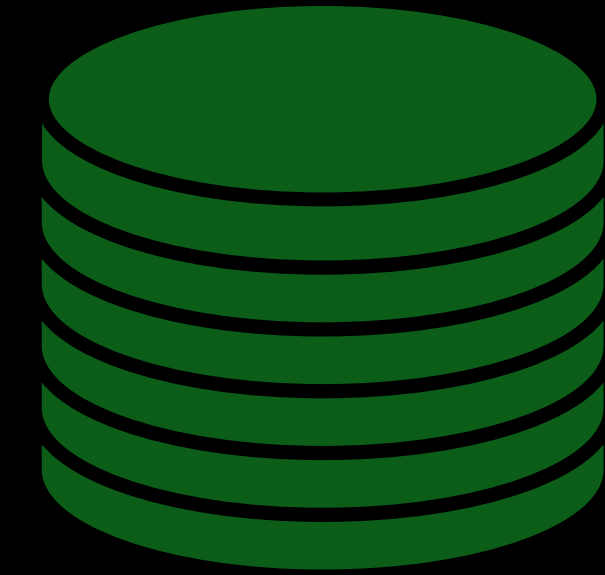


Production





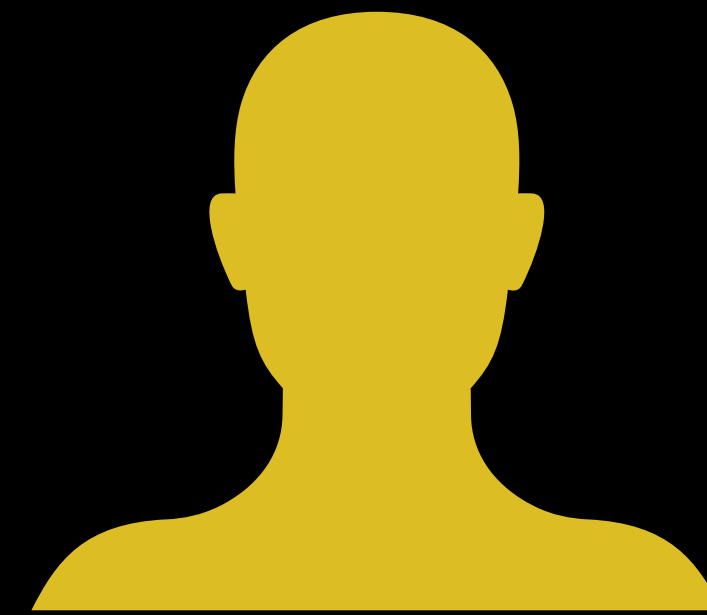
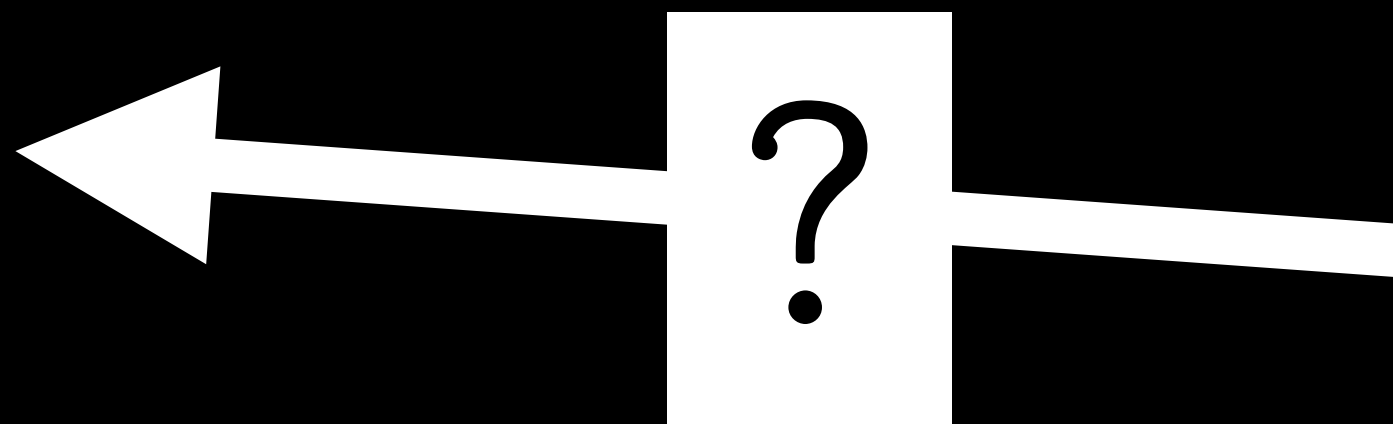
# Crash Fast



Production



Programmers



End-Users



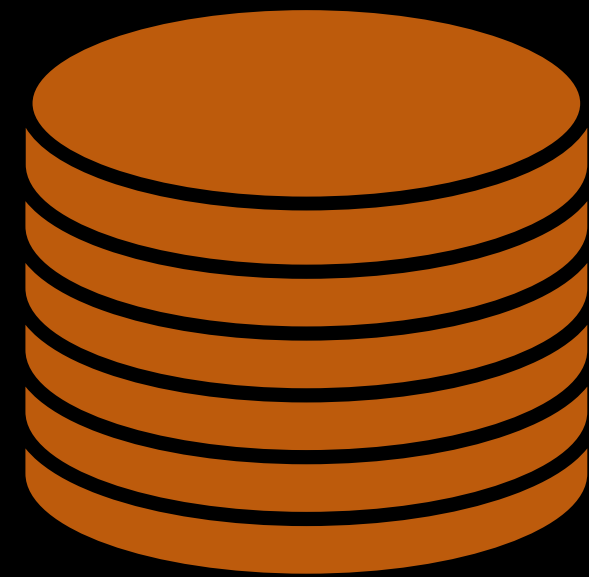
sentry.io



# Encourage Bugs



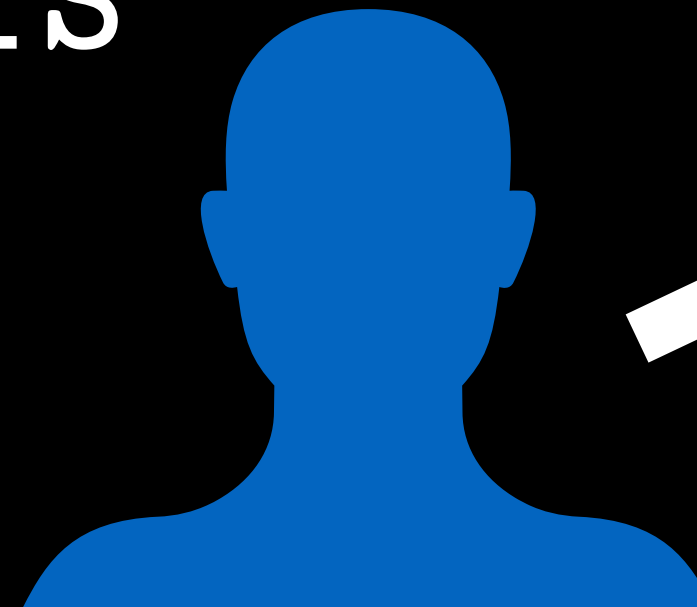
Repository



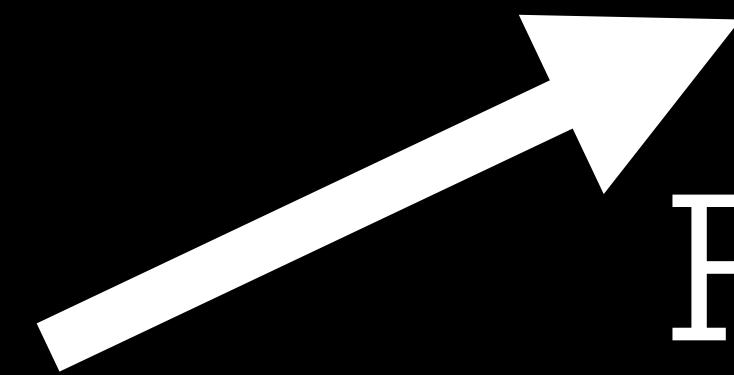
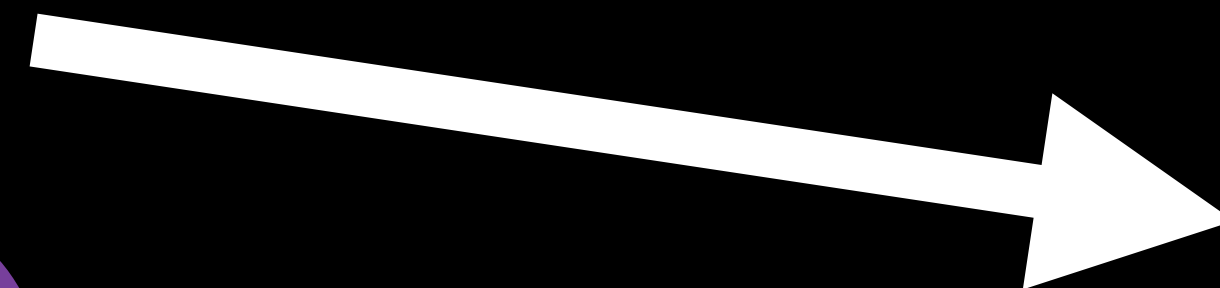
Staging



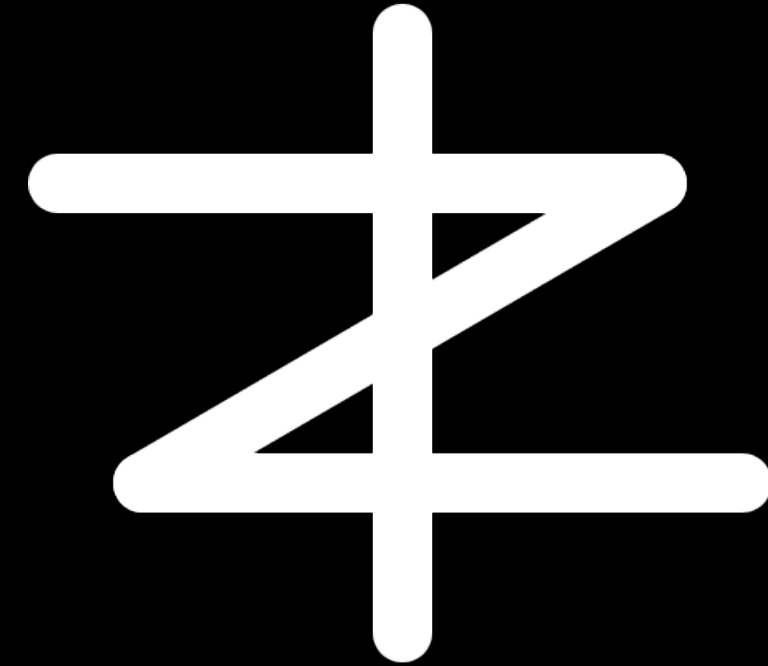
Testers



Programmers



Reports



Zerocracy

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We pay per each bug reported

Pull Requests, or Bugs, or...  
You Are Out!



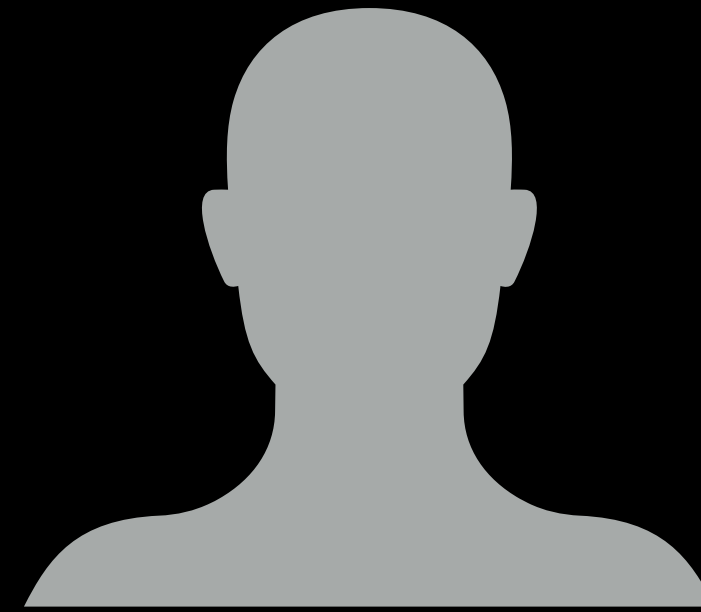
Speed, not Quality







# Educate Money People



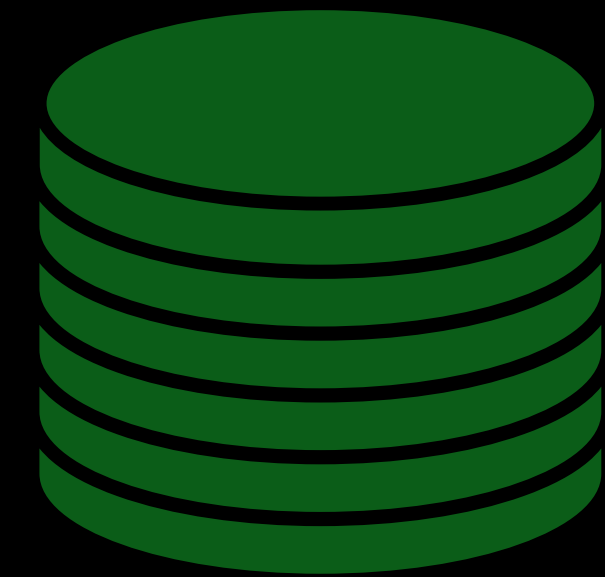
Bosses



Programmers



Reports



Production

It's impossible :(