

Getting Good (or Better...) at Code Reviews

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Quick Question...

I'm Rhia!



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Code Review KWEEN

Who reviews PRs?

I think EVERYONE should.



“If you write code, you should review code.”

-Your Favorite KWEEN of Code Review

So, what IS code reviews?

Code Review IS Not...

- Only for code-owners and team leads
- About the developer(s)
- A forum for attacking and belittling people
- A process developers should opt-out of

Code Review IS...

- A quality gate
- A forum for learning
- Thought leadership
- A team effort

Code Review is DevOps!

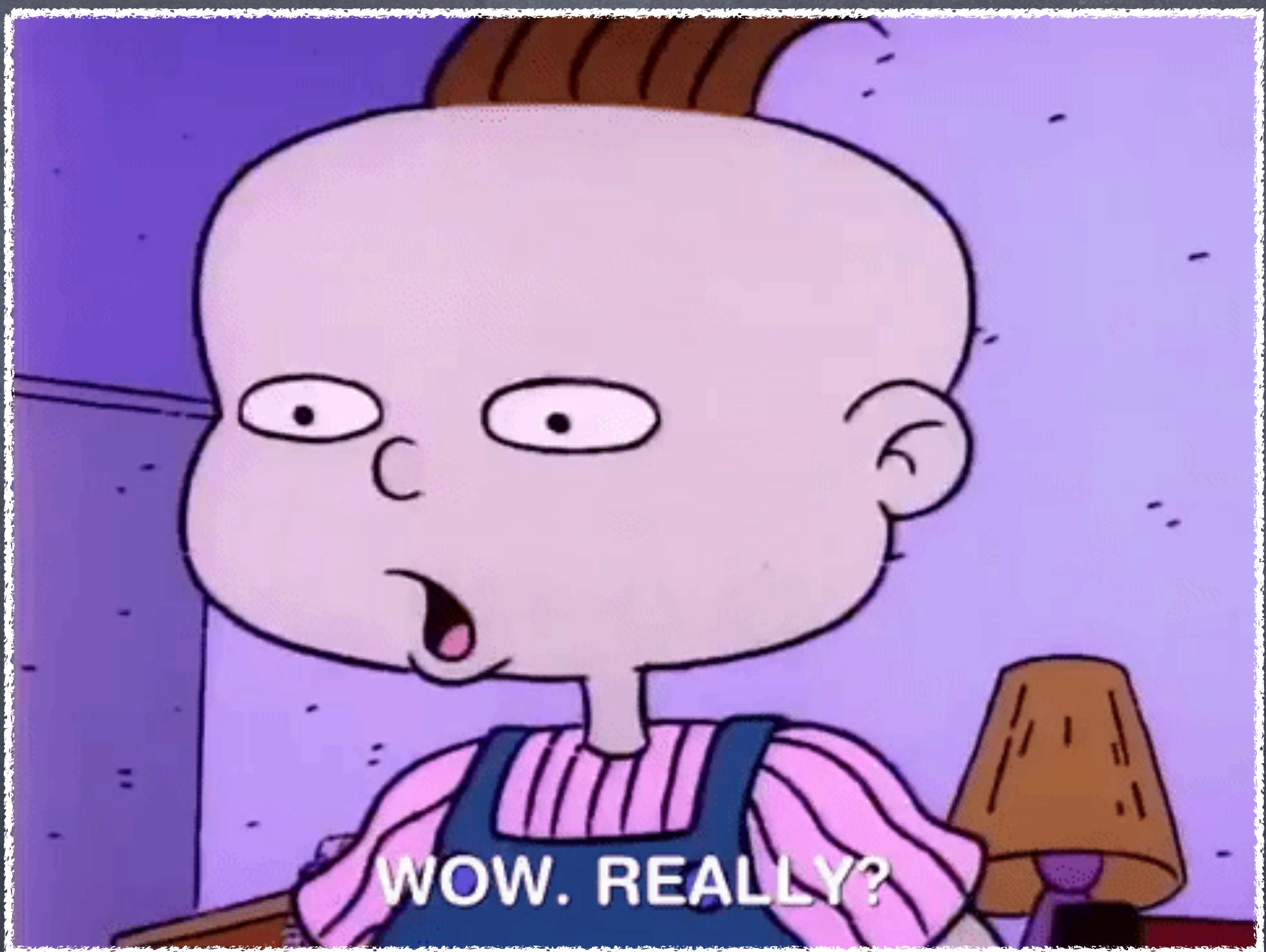
Promoting Code Review Is Promoting DevOps

- Visibility
- Quality
- Speed
- Resilience
- Collaboration
- Continuous Improvement

Benefits of Reviewing Code

Collaborative Learning Opportunities

- Rapid Onboarding
- Knowledge Sharing
- Reinforce industry/company standards
- Pattern (and anti pattern) recognition



Engage on the PR

- Ask a question
- Request a Change
- Leave a comment
- [QUESTION]
- [BLOCKER | CHANGE | NIT]
- [COMMENT]

Quality ≠ Consistent -ilities

- Applicability
- Maintainability
- Testability
- Accessibility
- Readability
- Searchability
- Function-ability



Look for “-ilities”

- What does this change do?
- Do functions and variables have suitable names?
- Does this have tests? Does it need them?
- Is it semantic? Are we impacting ally?
- Are we following applicable standards?

Duplication Mitigation

Why rewrite the
wheel if we
DO NOT HAVE
TO?



But... I have reasons...

Uh-huh. Yeah. No.



If you write code...?
Review the code.

So...
How do we get better?

The Path to Getting Better

- Develop your Process
- Invite Critique
- Celebrate Progress



A Process

Pre-Check It

- Review the Template
- Check the ticket – is the code change in scope?
- How many files are changed?
- Are the files changed in scope?

Read It

- Look at the small changes first
- Lean into your area of expertise
- Check for those “-ilities”
- Ask questions if you have them



Build It

- Can you successfully build the branch locally?
- Can you verify the functionality works as intended?
- Does this change impact anything it shouldn't?
- Can you break it?

If it looks good to you...?

Approve it!



Inspiration ≠ Celebration

Things to Try

- Tag your team
- “Office Hours” Recurring Review Session
- Group Code Review / Demo Days
- A Code Review Checklist
- Positive Reinforcement

Recap

Things to Remember

Code Review

- Helps devs learn the codebase
- Improves code quality
- Decreases duplicated efforts (#NoNewWheels)
- Targets the code, not the developer(s)
- Is a TEAM effort!

If you write code...?

#ReviewTheCode

Resources

Articles:

- The 10 Commandments of Navigating Code Reviews
- What's Not to Like About This Code?
- Github Rulesets
- Github PR Templates

Tools:

- sonarqube by Sonar
- pre-commit
- typescript-eslint

THANK YOU!

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