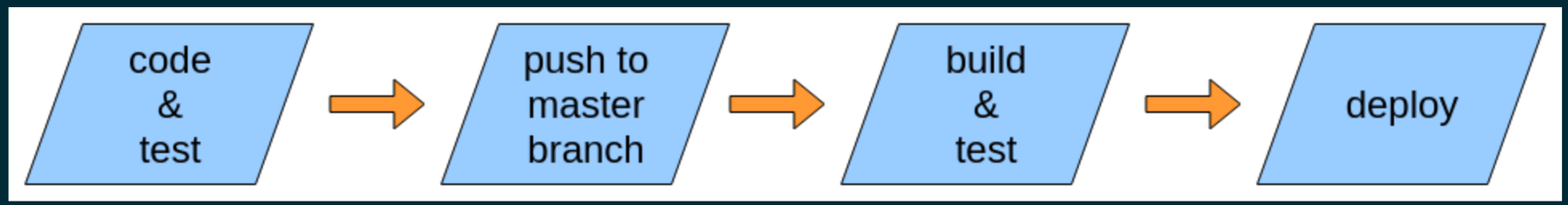
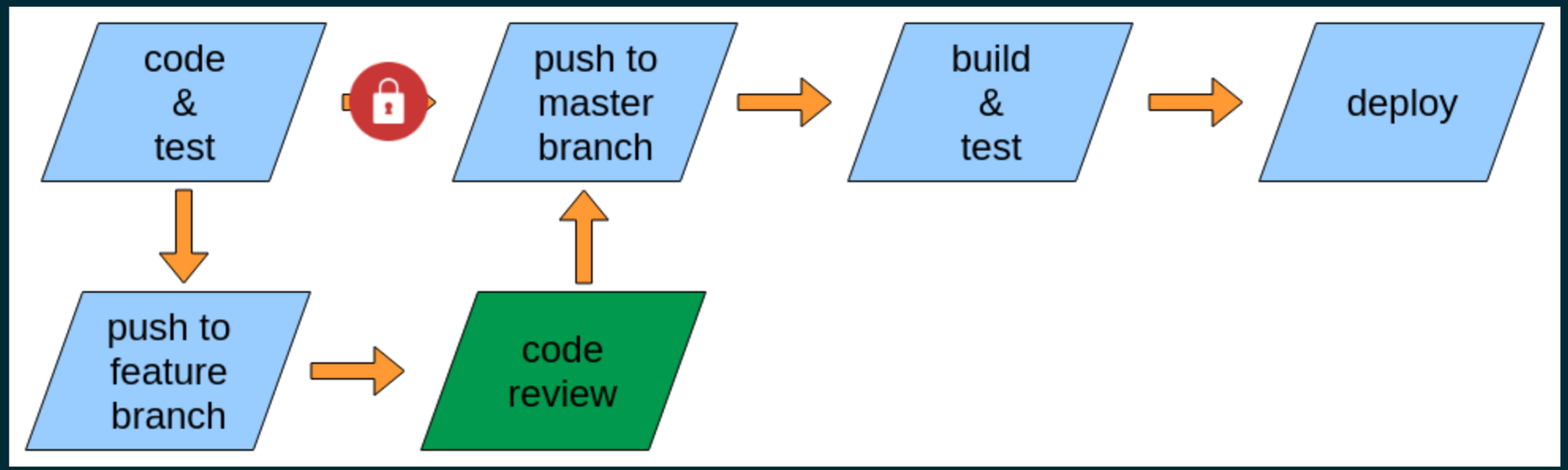
THE ANATOMY OF A CODE REVIEW

GUILHERME GARNIER

A TRADITIONAL CI PIPELINE



ADDING CODE REVIEW

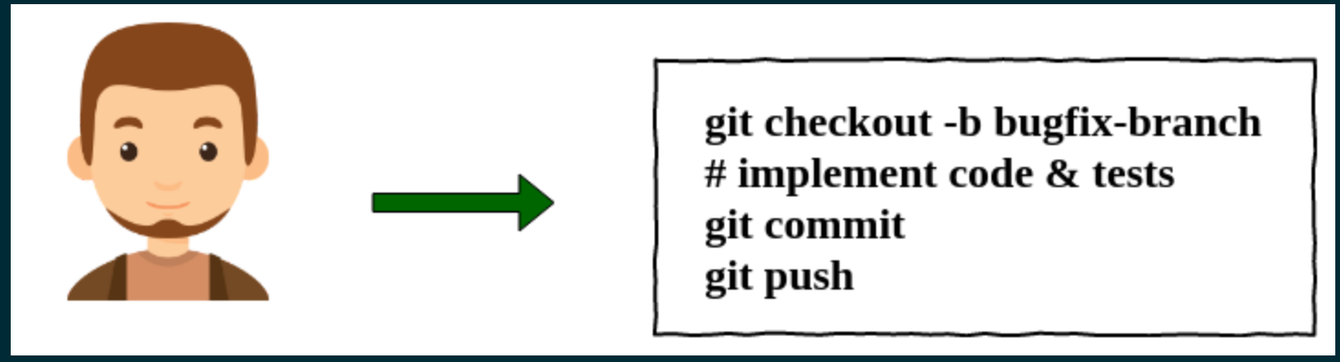


WHAT'S A CODE REVIEW?

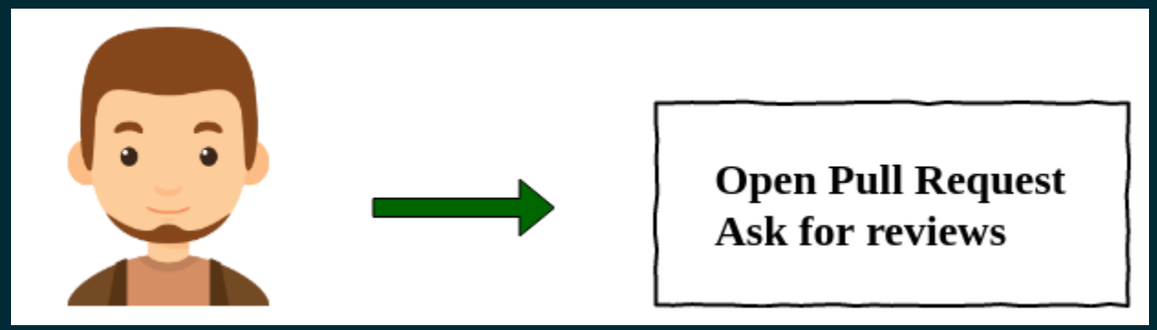
A tool to:

- improve code quality
- share knowledge about the project
- share knowledge about technologies, libraries, etc

CODE REVIEW WORKFLOW



CODE REVIEW WORKFLOW



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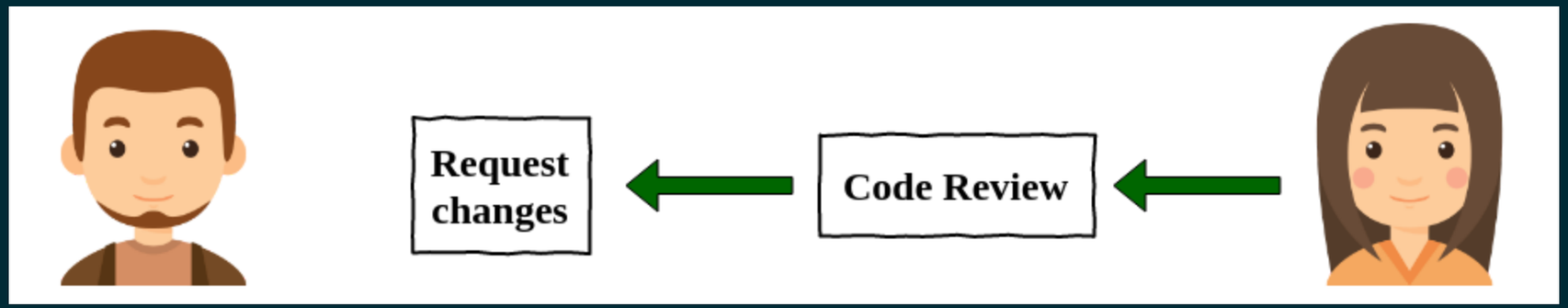

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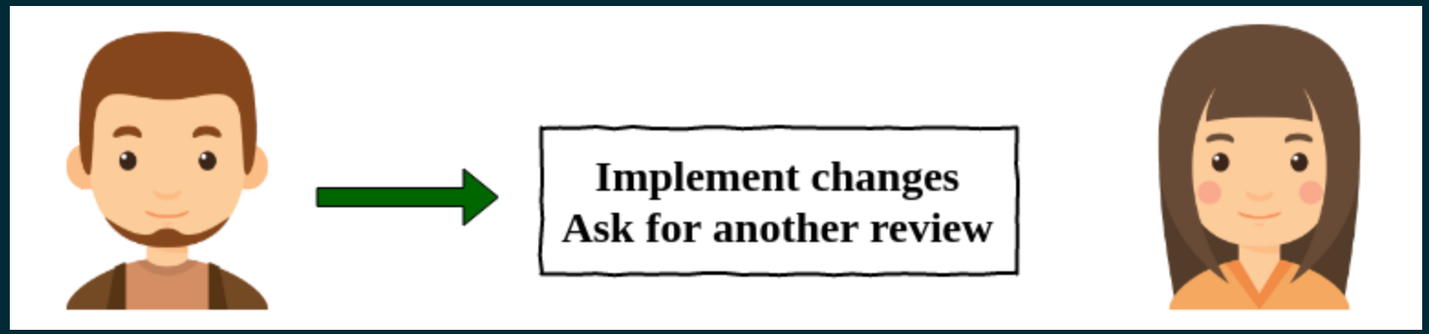

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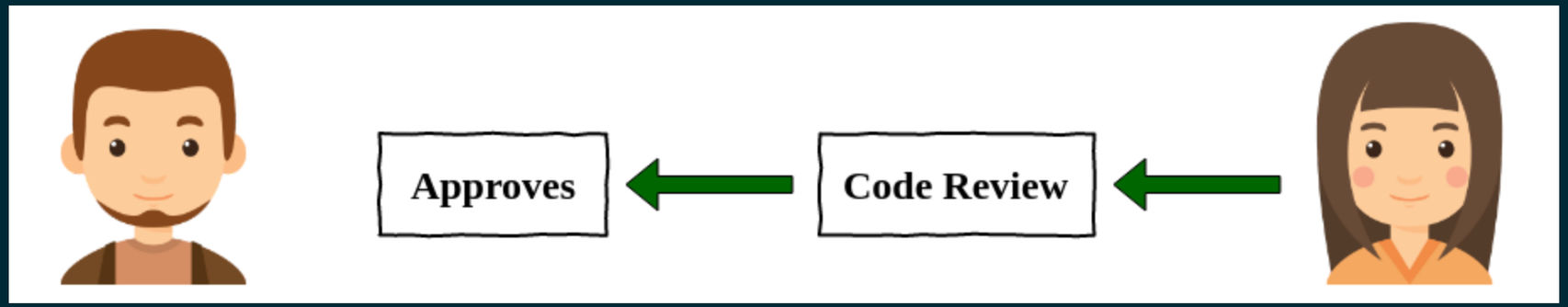

CODE REVIEW WORKFLOW

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CODE REVIEW CHECKLIST

- Does the code do what it's supposed to do?
- Is it bug free?
- Is it expressive?
- Is it scalable?
- Does it follow the projects conventions and standards?
- Is it well tested? Does it handle corner cases?

BENEFITS

- to the code author
- to the reviewer
- to the team

BENEFITS TO THE CODE AUTHOR

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- Learn about the project

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- Learn about the technologies involved

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- Learn other ways to solve problems

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- Learn about the project
- Learn about the technologies involved
- Learn other ways to solve problems
- Learn to accept critics

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BENEFITS TO THE REVIEWER

- Learn about the changes
- Learn about the project
- Learn about the technologies involved
- Develop a critical view of someone else's code

BENEFITS TO THE TEAM

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- Shared code ownership

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- Shared code ownership
- Helps keeping standards

STARTING CODE REVIEWS

Each PR should be a cohesive unity

- easier to get context
- easier to revert, if needed

STARTING CODE REVIEWS

Readability is very important

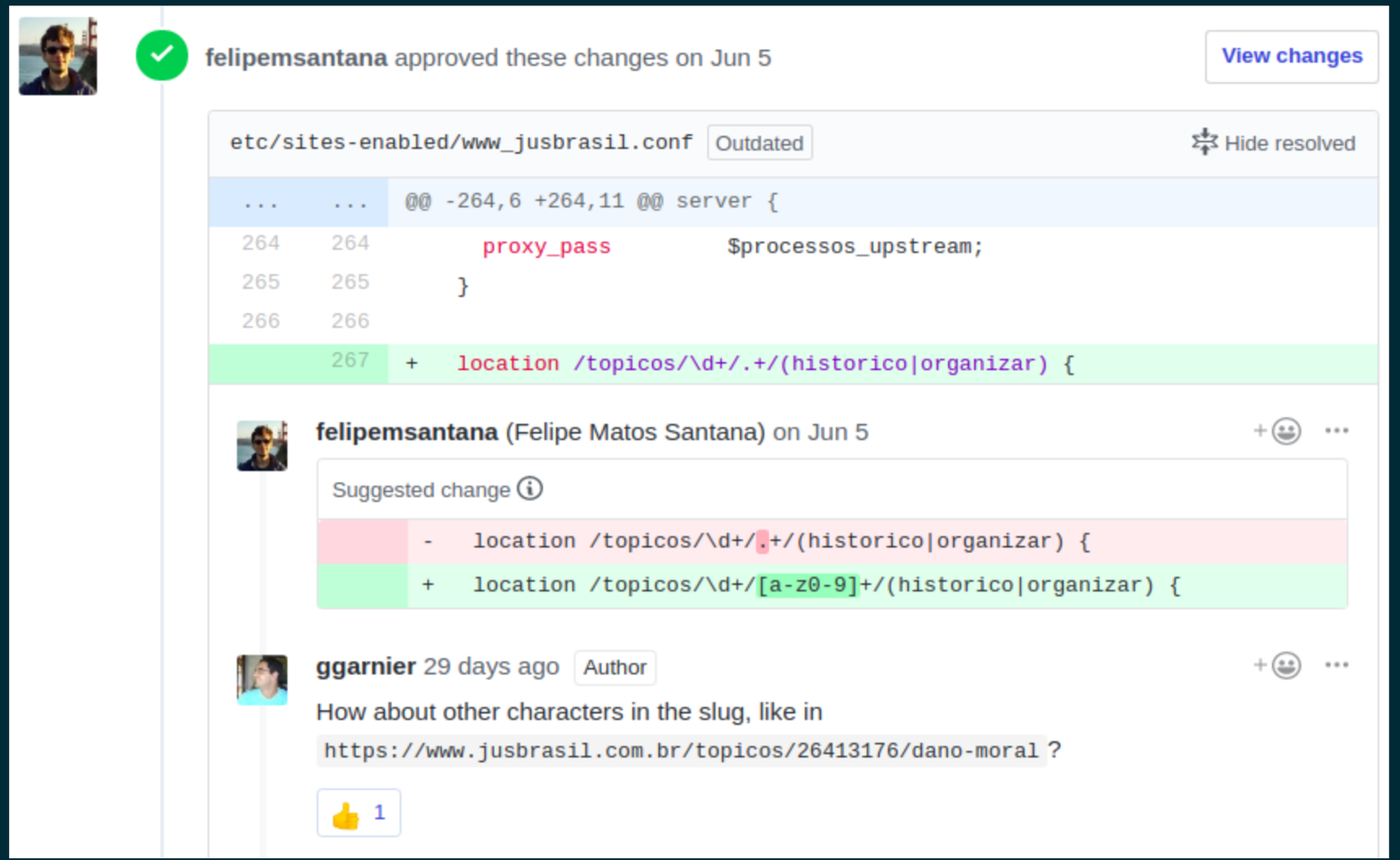
- make you code/test/docs as clear as possible
- add context do your PR description (images, link to issues)

STARTING CODE REVIEWS

Make PRs as small as possible

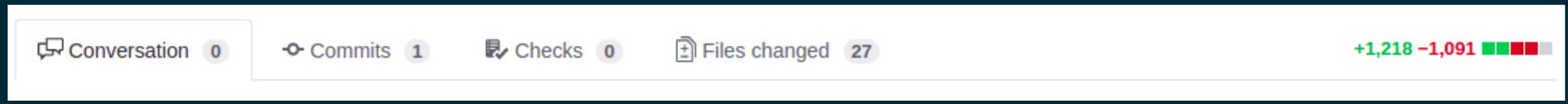
RECEIVING CODE REVIEWS

- Be humble and thankful
- Start discussions when needed



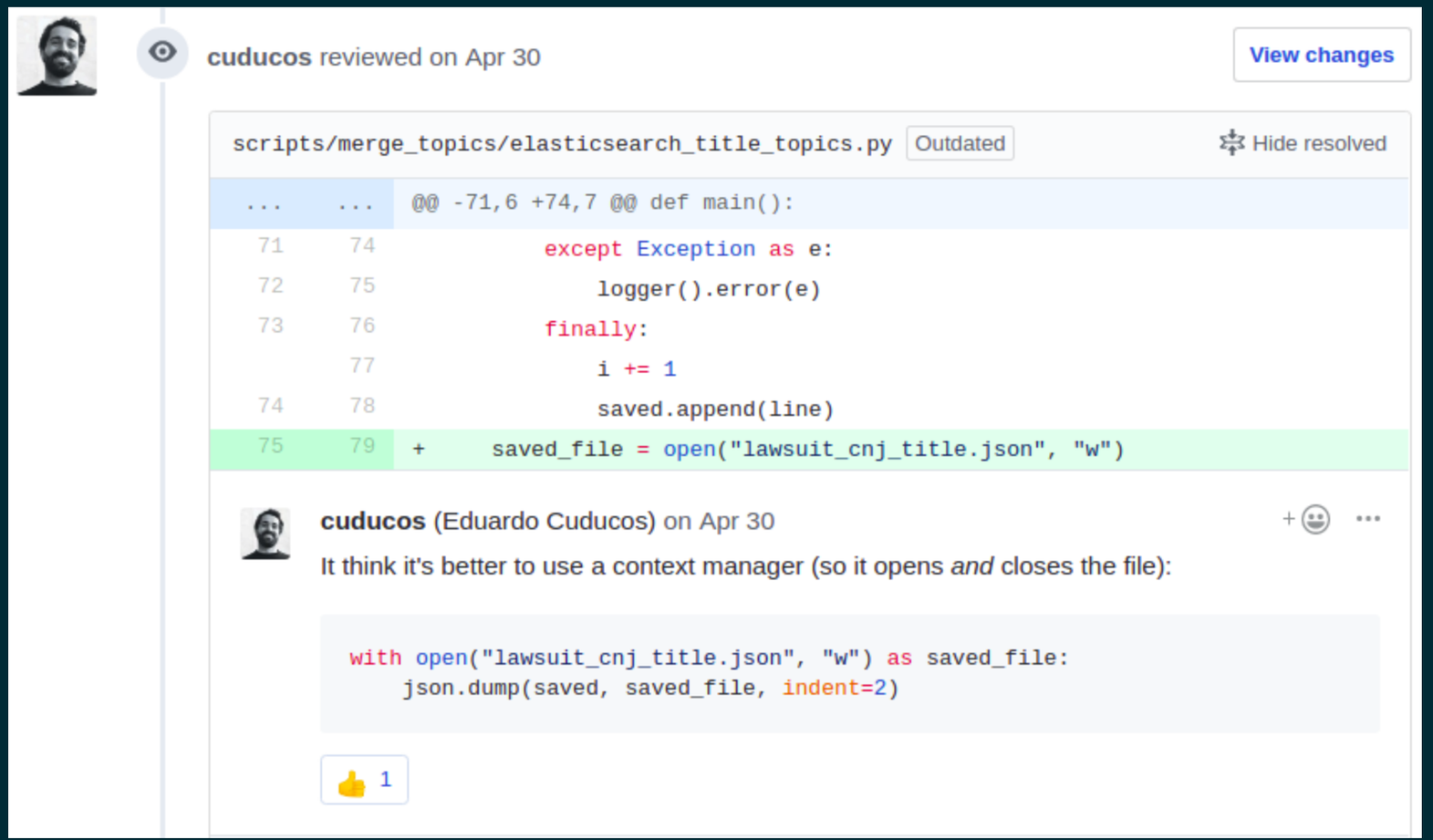
REVIEWING CODE REVIEWS

Take time to review, don't rush



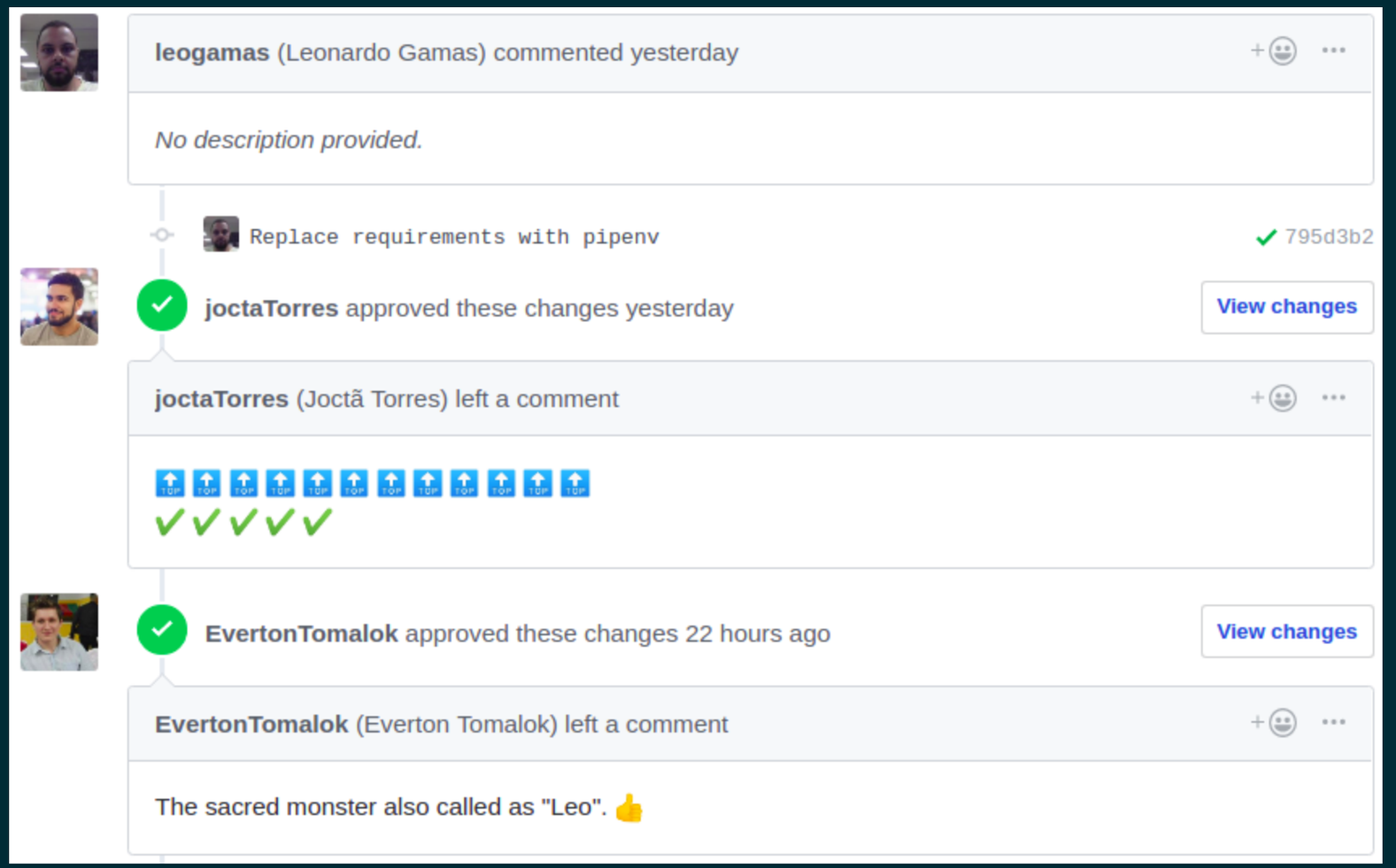
REVIEWING CODE REVIEWS

Watch for details



REVIEWING CODE REVIEWS

Don't be limited to critics, recognize good decisions



test/components/copy-content-trigger.js Outdated

Hide resolved

```
126 +
127 +   // eslint-disable-next-line max-len
128 +   it('should not return viewer modalData if user can\'t use feature but l
129 +     const root1 = { root: { document: { viewerCanUseFeature: false }, viev
```

marciovicente (Márcio Vicente) 9 days ago

`root1` ??

REVIEWING CODE REVIEWS

In case of doubt, ask

COMMON PROBLEMS AND CONCERNS

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- Won’t this slow me down?

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- How to handle large pull requests?

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- How to handle large pull requests?
- How many reviewers do I need?
- Do I need code reviews if I pair program?

COMMON PROBLEMS AND CONCERNS

- Won’t this slow me down?
- How to handle large pull requests?
- How many reviewers do I need?
- Do I need code reviews if I pair program?
- When not to use code reviews?

LINKS

- https://blog.guilhermegarnier.com/2018/05/the-anatomy-of-a-code-review/
- https://speakerdeck.com/asendecka/anatomy-of-a-code-review
- https://pagefault.blog/2018/04/08/why-junior-devs-should-review-seniors-commits/

THANK YOU!

https://blog.guilhermegarnier.com

@gpgarnier

Slides: https://blog.guilhermegarnier.com/talk-code-review/