



More Data, More Insight

//Legend

 WORK = SOLID
 OPEN SOURCE = PATTERN

4.0M+

GitHub repositories

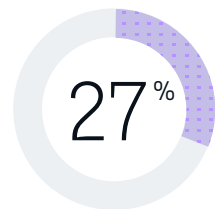
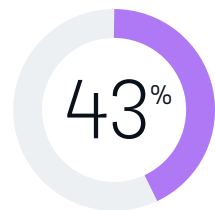
40K+

Developer surveys

Key Findings

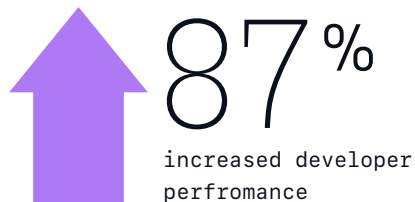
Writing and shipping code faster

Automation removes friction so teams perform better and developers find more meaning in their work.

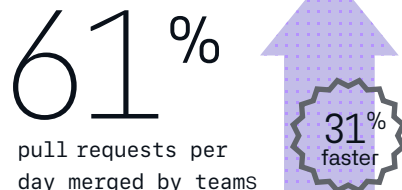


team performance improvement

//frictionless code reuse

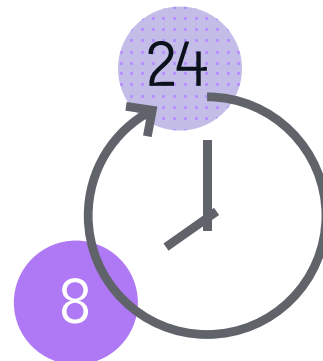


//GitHub Actions



Fewer pull request reviewers lead to faster merges, often in a **day or less**.

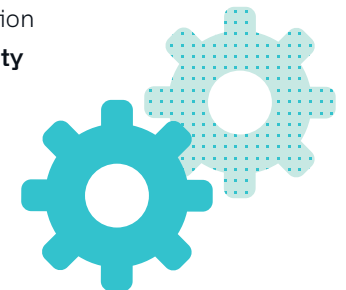
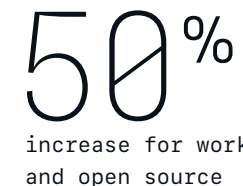
<3 repo reviewers increases chance of merge within 24 hours



1 reviewer pull requests often merged in 8-hour workday

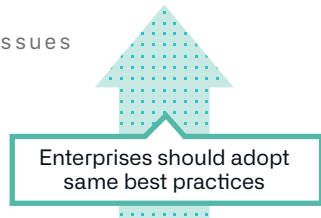
Knowledge flow through documentation

Easy-to-source documentation boosts **developer productivity**

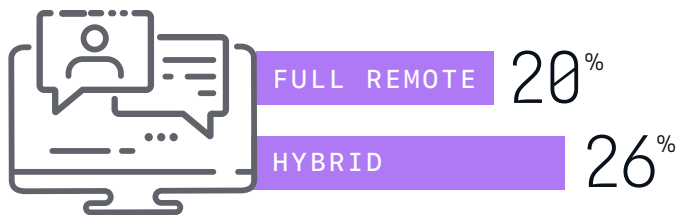


Documentation is chronically under-invested but improves **quality of contributions** and invites collaboration.

//READMEs, guidelines, issues



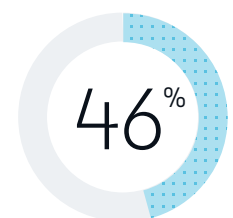
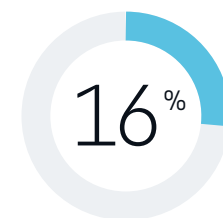
The right tools are critical to support **hybrid and remote work**.



Sustainable and welcoming communities

Communities with **mentorship** and friendly, timely reviews lead to higher productivity and better collaboration.*

**Enterprises often have more means to support team members through custom how-to guides, onboarding platforms, buddy systems, office hours that were not reflected in our questions, so their margin for improvement can be larger.*



work and open source improvement



INDUSTRY'S MOST COMPREHENSIVE RESEARCH REVEALS BOTH TRENDS AND PREDICTIVE RESULTS.

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Key Takeaways

Best practices pay long-term dividends in retention and productivity

FULFILLMENT

CULTURE

BELONGING

Implement automation to give your team more time for creativity and teamwork.



Invest in documentation, no matter the format to build team trust.



PHP
PYTHON
C++
JS HTML
CSS



Create a collaborative environment by making it easier to reuse others' code.



Foster mentoring to improve culture, which has long-lasting benefits for productivity, satisfaction, and retention.

Join the Day-or-Less Club by limiting the number of reviewers on your team.



Use codes of conduct in open source to create a sense of safety.



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