

Features Alternative Coding



The tools you need to build what you want.

 GitHub Copilot

Ask a question or type '/' for topics



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Contribute to projects quickly with automatic environment setup.

Make sure you see the changes you care about.

Build community around your code.

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iheanyi 3 minutes ago

Suggested change

```
- const {versionDeprecations, selectorDeprecations} = require('../deprecations')
+ const {versionDeprecations, selectorDeprecations, variableDeprecations} = require('../deprecations')
```

Commit suggestion ▾ Add suggestion to batch

rwnfoo 3 minute ago

Oh! Nice catch 👍

ampinsk 1 minute ago

Sweet!

Yay for teamwork! This is looking great 😊

Resolve conversation

```
96 102      obj[key] = value
97 103      return obj
98 104      }, {})
```

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Full power of your favorite editor.

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GitHub Copilot

With GitHub Copilot, get suggestions for whole lines or entire functions right inside your editor.

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Pull requests

Allow contributors to easily notify you of changes they've pushed to a repository – with access limited to the contributors you specify. Easily merge changes you accept.

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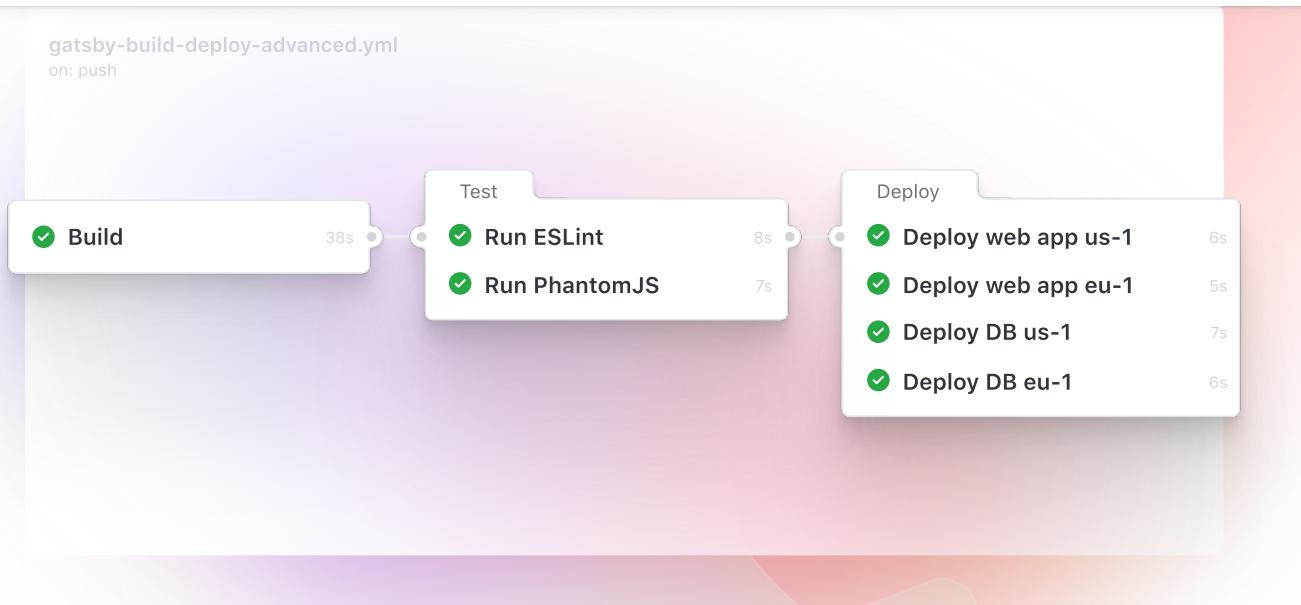


Automate everything: CI/CD, testing, planning, project management, issue labeling, approvals, onboarding, and more.

Standardize and scale best practices, security, and compliance across your organization.

Get started quickly with thousands of actions from partners and the community.

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Actions

Automate all your software development workflows. Write tasks and combine them to build, test, and deploy faster from GitHub.

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Packages

Host your own software packages or use them as dependencies in other projects. Both private and public hosting are available.

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APIs

Create calls to get all the data and events you need within GitHub, and automatically kick off and advance your software workflows.

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Secure code as you write it. Automatically review every change to your codebase and identify vulnerabilities before they reach production.

Understand and address any vulnerabilities in your open source dependencies.

Automatically detect and deactivate secrets committed to your repos.

```
src/index.js

1     } catch (err) {
2       let message = `Cannot render ${request.params.url}`;
3       if (err && err.message)
4         message += ` - ${err.message}`;
5       response.status(400).send(message);

Cross-scripting vulnerability due to user-provided value.

CodeQL

6   }
7 });
8
9 app.get('/_ah/health', (request, response) => response.send('OK'));
10
11 app.get('/_ah/stop', async(request, response) => {
```

Private repositories

Host code that you don't want to share with the world in private GitHub repositories only accessible to you and people you share them with.

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(2FA) when logging into GitHub. Require 2FA and choose from TOTP apps, security keys, and more.

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Required reviews

Ensure that pull requests have a specific number of approving reviews before collaborators can make changes to a protected branch.

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Additional features available to GitHub Enterprise customers.

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SAML

Control and secure access to organization resources like repositories, issues, and pull requests with SAML. And allow users to authenticate with their existing GitHub usernames.

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LDAP

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IP allow list

Limit access to enterprise assets to an allowed set of source IPs. The allow list will block access via the web, API, and Git for any IP addresses not included.

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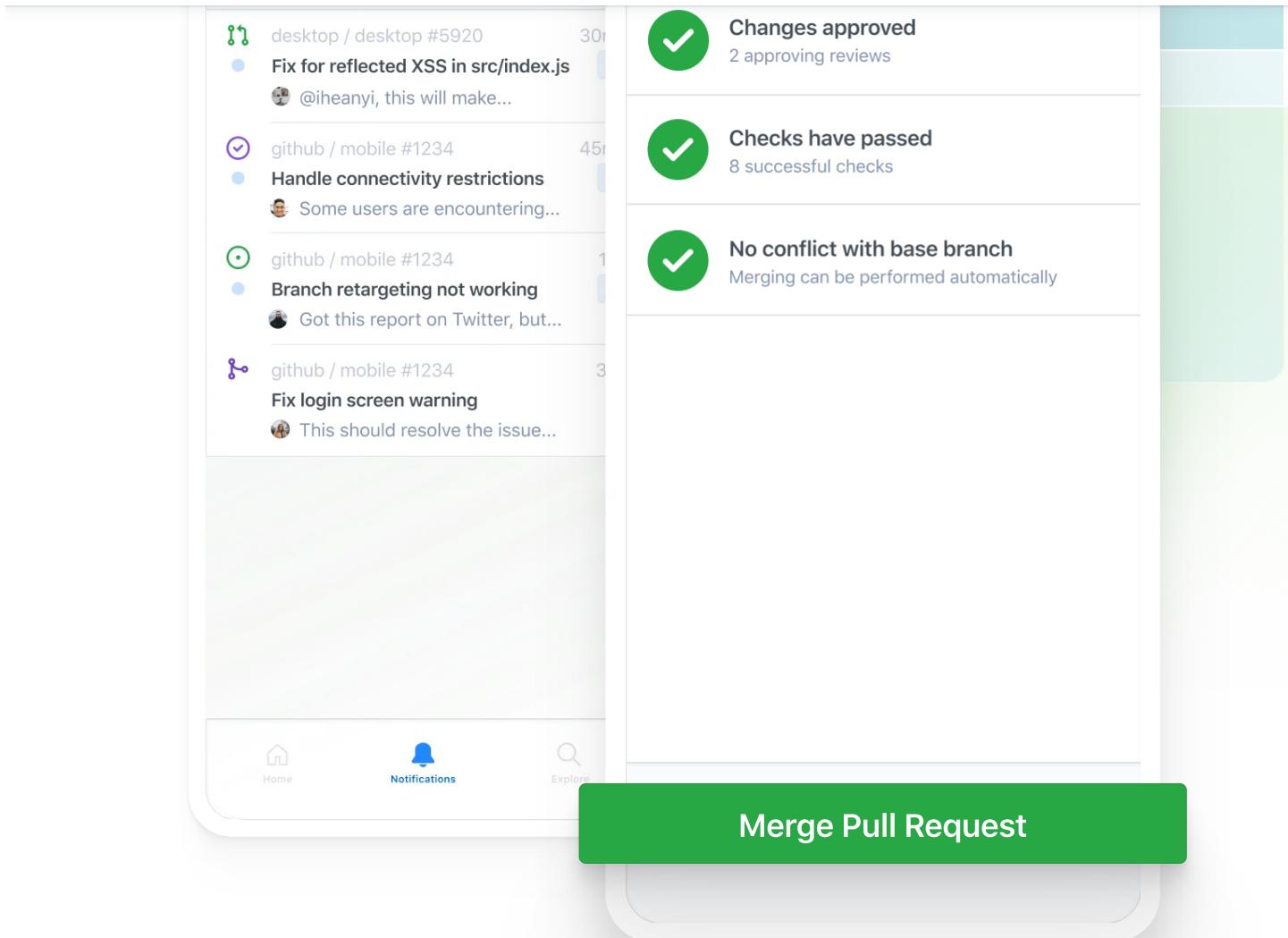


Take GitHub with you on any connected device.

Skip the visual UI with a quick, powerful text interface.

Access GitHub from your macOS or Windows desktop.

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GitHub Mobile

Take your projects, ideas, and code to go with fully native mobile and tablet experiences.

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GitHub CLI

Bring GitHub to the command line. Manage issues and pull requests from the terminal, where you're already working with Git and your code.

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GitHub Desktop

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Keep feature requests, bugs, and more organized with GitHub issues – engineered for software teams.

Coordinate initiatives big and small with project tables, boards, and tasklists.

Track what you deliver down to the commit.

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The screenshot shows a GitHub interface for collaborative coding. At the top, there are two cards: one for a "Solution for login issue" (scheduled) and another for "Implement code changes" (work-in-progress). Below these is a note about a "Reference to desktop / desk". A large central card is open, titled "fix: clean errors, add validation & reduce exposed" (by rwnfoo). It includes labels "quality" and "touch", a "Weekly tracker" for 12/16/21 - 12/20/21, and a profile picture of a user. The card displays a "1 linked pull request" which is a "Fix for reflected XSS in src/index.js" (opened by tobiasahlin). This pull request is marked as "ready-for-review". Below the pull request, it says "Changes approved". At the bottom of the main card, there are buttons for "Automated as In progress" and "Automated as Done".

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plan and track your work.

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Labels

Organize and prioritize your work. Apply labels to issues and pull requests to signify priority, category, or any other information you find useful.

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Milestones

Track progress on groups of issues or pull requests in a repository, and map groups to overall project goals.

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Simplify access and permissions management across your projects and teams.

Update permissions, add new users as you grow, and give everyone the exact permissions they need.

Sync with Okta and Entra ID.

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The screenshot shows the GitHub repository access settings for a repository named 'Only those with access to this'. The 'Manage access' section lists one member selected: Joyce Lau (ohjoycelau). The 'Choose role' modal is open, showing the following roles:

- Read**: Can read and clone this repository. Can also open and comment on issues and pull requests.
- Triage**: Can read and clone this repository. Can also manage issues and pull requests.
- Write**: Can read, clone, and push to this repository. Can also manage issues and pull requests.
- Maintain**: Can read, clone, and push to this repository. They can also manage issues, pull requests, and some repository settings.
- ✓ Admin**: (Selected) Can read, clone, and push to this repository. Can also manage issues, pull requests, and repository settings, including adding collaborators.

At the top right of the modal, there is a dropdown menu set to 'Role: Admin' and a trash icon.

Organizations

Set up groups of user accounts that own repositories. Manage access on a team-by-team, or individual user, basis.

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Invitations

Easily add GitHub members to your repositories using their GitHub username or email address, and require them to confirm access.

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Teams

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Community



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Install apps that integrate directly with GitHub's API to customize and optimize your workflows – build your own for private use or publication in the GitHub Marketplace.

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GitHub Sponsors

Financially support the open source projects your code depends on. Sponsor a contributor, maintainer, or project with one time or recurring contributions.

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The ReadME Project

The ReadME Project is part of GitHub's ongoing effort to amplify the voices of the developer community.

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GitHub skills

Learn new skills by completing tasks and projects directly within GitHub, guided by our friendly bot.

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Electron

Write cross-platform desktop applications using JavaScript, HTML and CSS with the Electron framework, based on Node.js and Chromium.

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