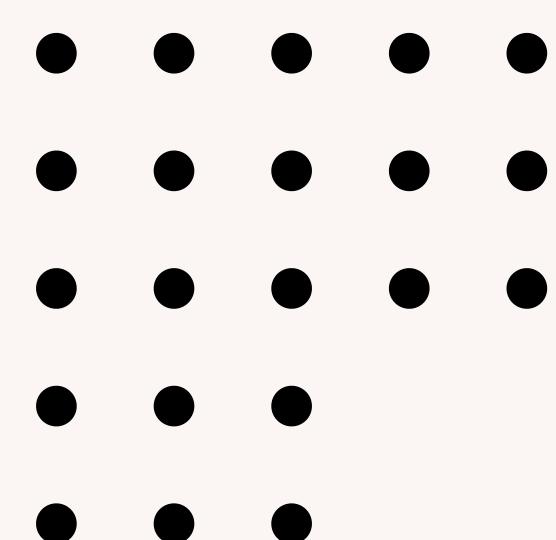


DIAGNÓSTICO E AUDITORIA DE PROJETO

Integrantes: Breno Henrique, Carla Stefany, Fernanda
Karoliny, João Paulo, João Vinícius, José Arthur, Vinícius
Azevedo e Wendel Alexander

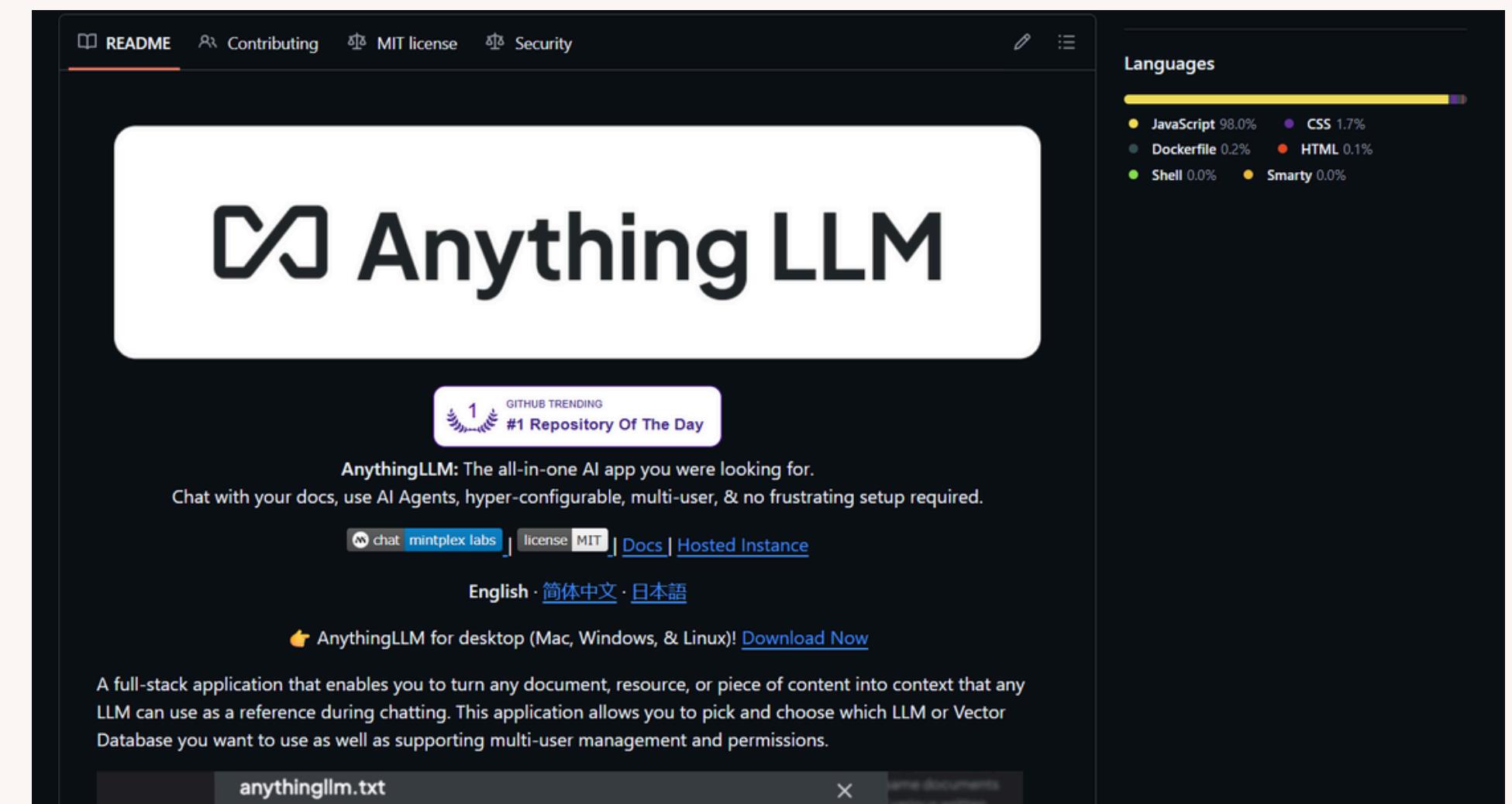


PARTICIPANTES

Nome	Matrícula	Contribuição
Breno Henrique Do Camo Santos	202200078737	Pesquisa e edição do documento.
Carla Stefany R. Santos	202400060148	Pesquisa e edição do documento.
Fernanda Karoliny Santos Silva	202200092431	Pesquisa e edição do documento.
João Paulo Menezes Machado	202300038743	Pesquisa e edição do documento.
João Vinícius De Almeida Argolo	202200025573	Pesquisa e edição do documento.
José Arthur Calixto Da Rocha Costa	202300038770	Pesquisa e edição do documento.
Vinicius Azevedo Peroba	201900076892	Pesquisa e edição do documento.
Wendel Alexander Gomes Menezes	202300027740	Pesquisa e edição do documento.

PROJETO

- Projeto escolhido: Anything LLM
- Analisar a maturidade de um projeto real sob a perspectiva de DevOps

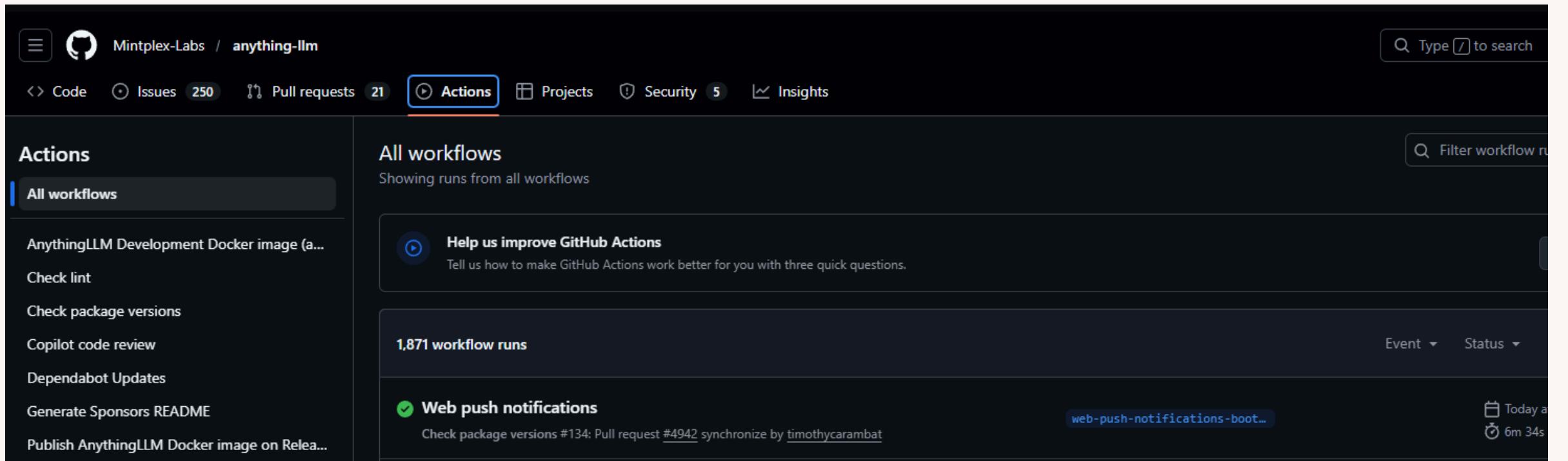


CONCEITOS IMPORTANTES

- Integração Contínua (CI)
- *Automação de Pipeline*
- *Manutenibilidade e Recessão*
- *Ferramentas de Orquestração*

Diagnóstico de CI/CD e Evidências

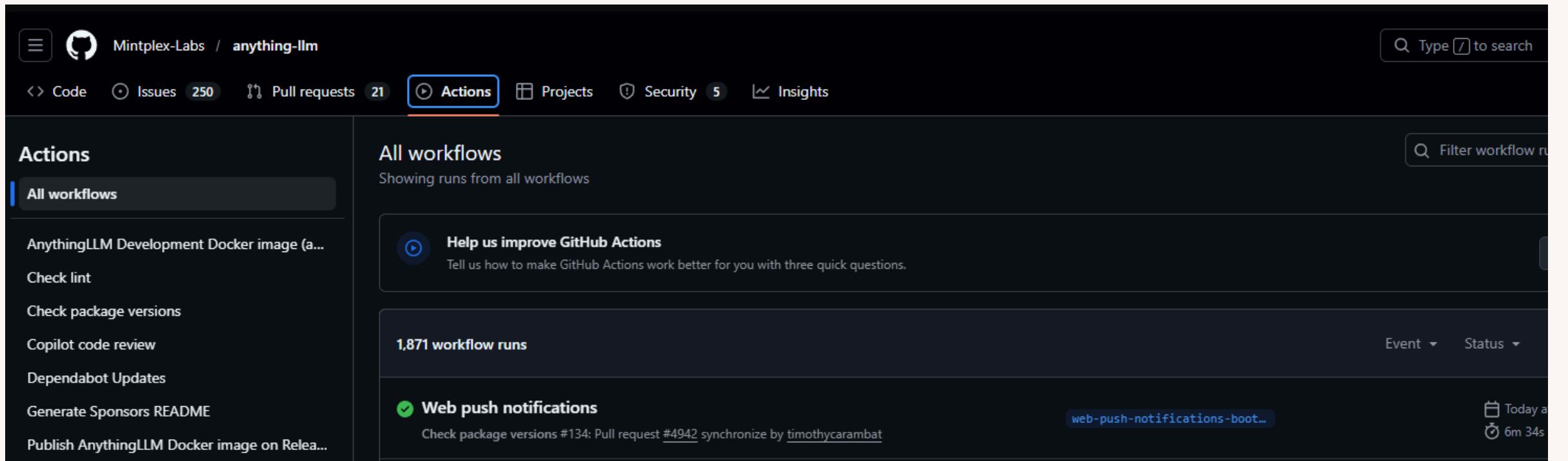
- Uso de Integração Contínua



- Utilização do GitHub Actions
- CI/CD integrado ao fluxo de desenvolvimento

Diagnóstico de CI/CD e Evidências

- Uso de Entrega Contínua



- Integração nativa ao Github
- Ausência de ferramentas externas
- Adoção de boas práticas recomendadas pelo GitHub

Diagnóstico de CI/CD e Evidências

- Tipos de Workflow

Actions
All workflows
AnythingLLM Development Docker image ...
Check lint
Check package versions
Copilot code review
Dependabot Updates
Generate Sponsors README
Publish AnythingLLM Docker image on Re...
Publish AnythingLLM Primary Docker ima...
Publish Docker image for PG database de...
Publish Docker image for Render & Railw...
Re-release AnythingLLM Docker image 1...
Re-release AnythingLLM Docker image 1....
Release AnythingLLM Primary Docker ima...
Run backend tests
Verify translations files

Diagnóstico de CI/CD e Evidências

- Análise de Pull Request

The screenshot shows a list of three pull requests:

- #4897 by naaa760 was merged 7 hours ago • Approved** 1 task done
 - fix: prevent Citations UI glitching during streaming chats ✓
- #4894 by j0rDy was merged last week • Approved** 1 of 6 tasks
 - Update common.js
- #4893 by timothycarambat was merged last week**
 - Pg v1.10.0 ✘

Fluxo Atual de Desenvolvimento

Core Team

1. Abertura de PR
2. Execução de testes automatizados
(com filtragem de caminhos)
3. *Code reviews* opcionais
4. Merge

Fluxo Atual de Desenvolvimento

Desenvolvedores externos

1. Fork (Forking Workflow)
2. Abertura de PR
3. Code review
4. Merge

Fluxo Atual de Desenvolvimento

Filtragem de caminhos

`check-translations.yaml`

```
11   on:  
12     pull_request:  
13       types: [opened, synchronize, reopened]  
14     paths:  
15       - "frontend/src/locales/**.js"  
16  
17   jobs:  
18     run-script:  
19       runs-on: ubuntu-latest  
20
```

`run-tests.yaml`

```
7   on:  
8     pull_request:  
9       types: [opened, synchronize, reopened]  
10      paths:  
11        - "server/**.js"  
12        - "collector/**.js"  
13  
14   jobs:  
15     run-script:
```

Fluxo Atual de Desenvolvimento

Deploy e montagem de imagem Docker

build-and-push-image.yaml

```
13   on:  
14     push:  
15       branches: ['master'] # master branch  
16       paths-ignore:  
17         - '**.md'  
18         - '.gitmodules'  
19         - 'cloud-deployments/**/*'  
20         - 'images/**/*'  
21         - '.vscode/**/*'
```

```
run: |  
  # Check if the secret for USERNAME is set (don't ev  
  if [[ -z "${{ secrets.DOCKER_USERNAME }}" ]]; then  
    echo "DockerHub build not needed"  
    echo "enabled=false" >> $GITHUB_OUTPUT  
  else  
    echo "DockerHub build needed"  
    echo "enabled=true" >> $GITHUB_OUTPUT  
  fi
```

Evidências Encontradas

Contribue.md

The screenshot shows the GitHub repository page for 'anything-llm'. The 'Code' tab is selected. Below it, the 'master' branch is highlighted. The file path 'anything-llm / CONTRIBUTING.md' is shown. The content of the file is visible, starting with a section titled 'Contributing to AnythingLLM'.

Contributing to AnythingLLM

AnythingLLM is an open-source project and we welcome contributions from the community. If you're interested in contributing, please follow these guidelines:

Reporting Issues

If you encounter a bug or have a feature request, please open an issue on the [GitHub issue tracker](#).

Picking an issue

We track issues on the GitHub issue tracker. If you are looking for something to work on, please check the 'Help Wanted' label. Typically, these are the best described and have the smallest scope. There may be issues that are good starting points.

If there's an issue you are interested in working on, please leave a comment on the issue. If you have questions about the issue, please ask them in the issue comments. We are here to help!

Before you start

Keep in mind that we are a small team and have limited resources. We will do our best to review and merge your pull requests. Ultimately, we become the maintainers of your changes. It is our responsibility to make sure they are of high quality as well as being compatible with the rest of the project both for existing users and future maintainers.

Before you start working on an issue, please read the following so that you don't waste time:

- Is this issue suitable for a personal fork? Or is it better suited for a pull request?
- Is this issue more suitable for a personal fork? We would rather answer a comment on an issue than a pull request if the issue is valuable and we appreciate your time and effort to make AnythingLLM better.

Fonte: GitHub
AnythingLLM

Branches

The screenshot shows the GitHub repository page for 'anything-llm'. The 'Code' tab is selected. Below it, the 'Branches' tab is selected. The 'Default' branch is set to 'master'. Under 'Active branches', several branches are listed: 'refactor-eslint-frontend', '4792-feat-refactor-workspacefp-image', '4774-feat-refactor-collector-to-remove-fluent-ffmpeg-package', '4184-provide-privacy-policy-links-in-onboarding', and 'vectordb-class-migration'. A 'View more branches' link is at the bottom right.

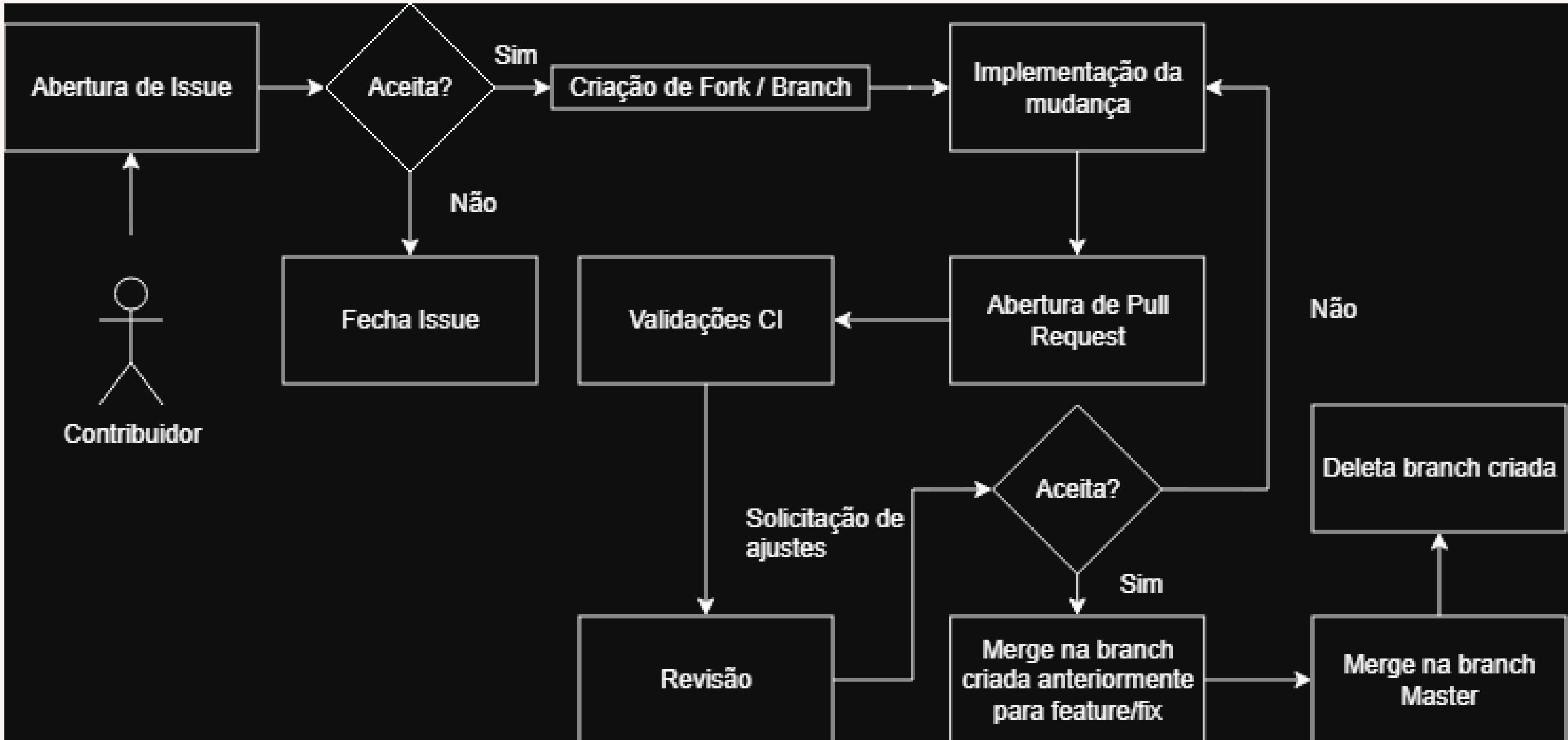
Fonte: GitHub
AnythingLLM

Pull Request

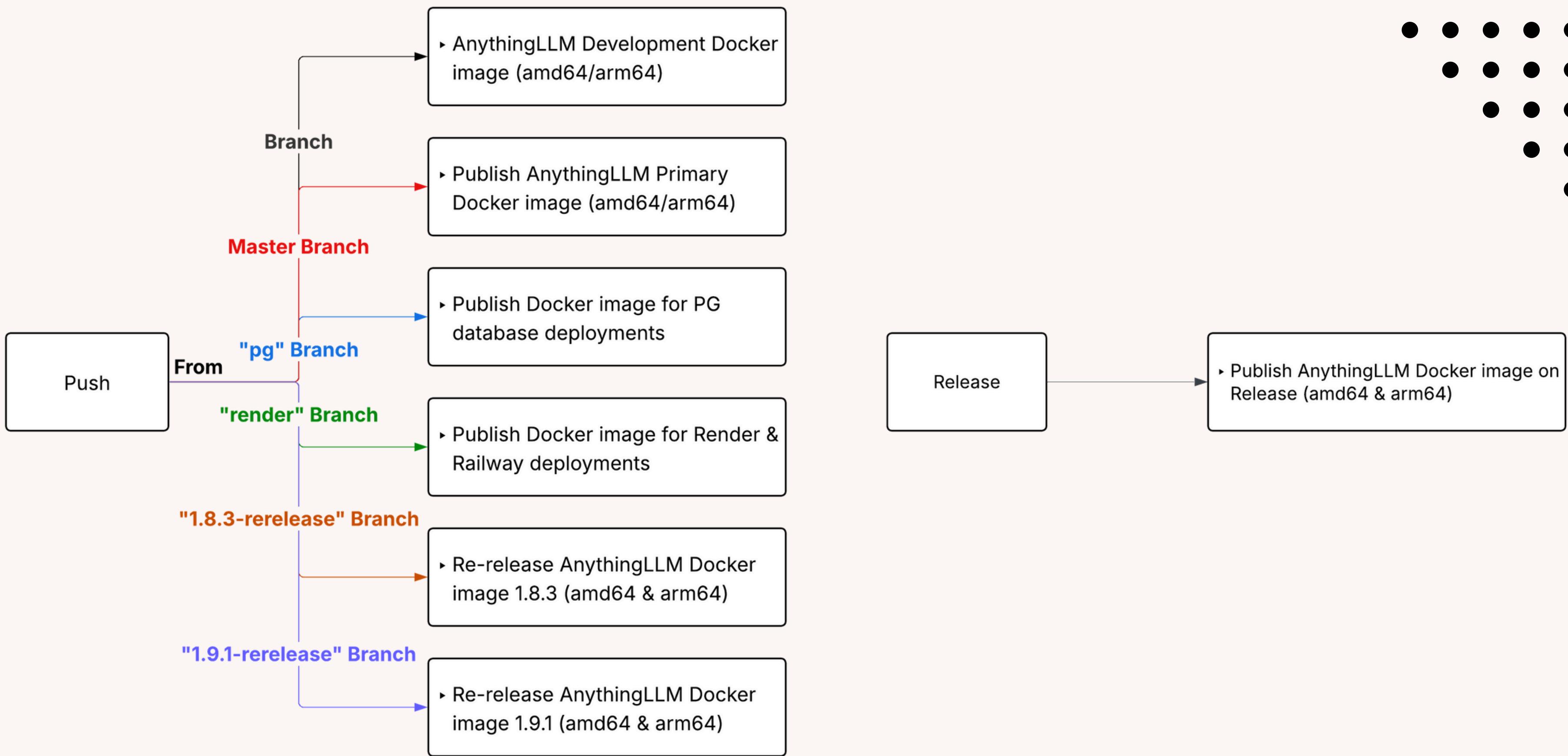
The screenshot shows a GitHub pull request for a fix in the Citations UI. The title is 'fix: prevent Citations UI glitching during streaming chats #4897'. The pull request was merged by timothycarambat from naaa760:fix/cit-UI-strm into Mintplex-Labs:master. The commit message is: 'fix: prevent Citations UI glitching during streaming chats'. The pull request has 14 commits. The conversation shows a comment from @shatfield4: 'Sir, fixed the Citations UI glitch during streaming by replacing random keys with stable ones and adding Please review it! Thankyou'. Another comment from naaa760: 'naaa760 commented last week'. The pull request was merged by naaa760 and others added 3 commits last week. The merge commit message is 'Merge branch 'master' into fix/cit-UI-strm'. The pull request was simplified by shatfield4: 'simplify citation glitch fix'. The pull request was merged by shatfield4: 'Merge branch 'master' of github.com:Mintplex-Labs/anything-llm into pull/4897'. The pull request was requested a review from angelplusultra: 'shatfield4 requested a review from angelplusultra 3 days ago'. The pull request was assigned to angelplusultra and unassigned naaa760: 'shatfield4 assigned angelplusultra and unassigned naaa760 3 days ago'. The pull request was merged by naaa760 and others added 5 commits 3 days ago. The merge commit message is 'Merge branch 'master' into fix/cit-UI-strm'. The pull request was merged by naaa760 and others added 5 commits 3 days ago. The merge commit message is 'Merge branch 'master' into fix/cit-UI-strm'. The pull request was merged by naaa760 and others added 5 commits 3 days ago. The merge commit message is 'Merge branch 'master' into fix/cit-UI-strm'.

Fonte: GitHub
AnythingLLM

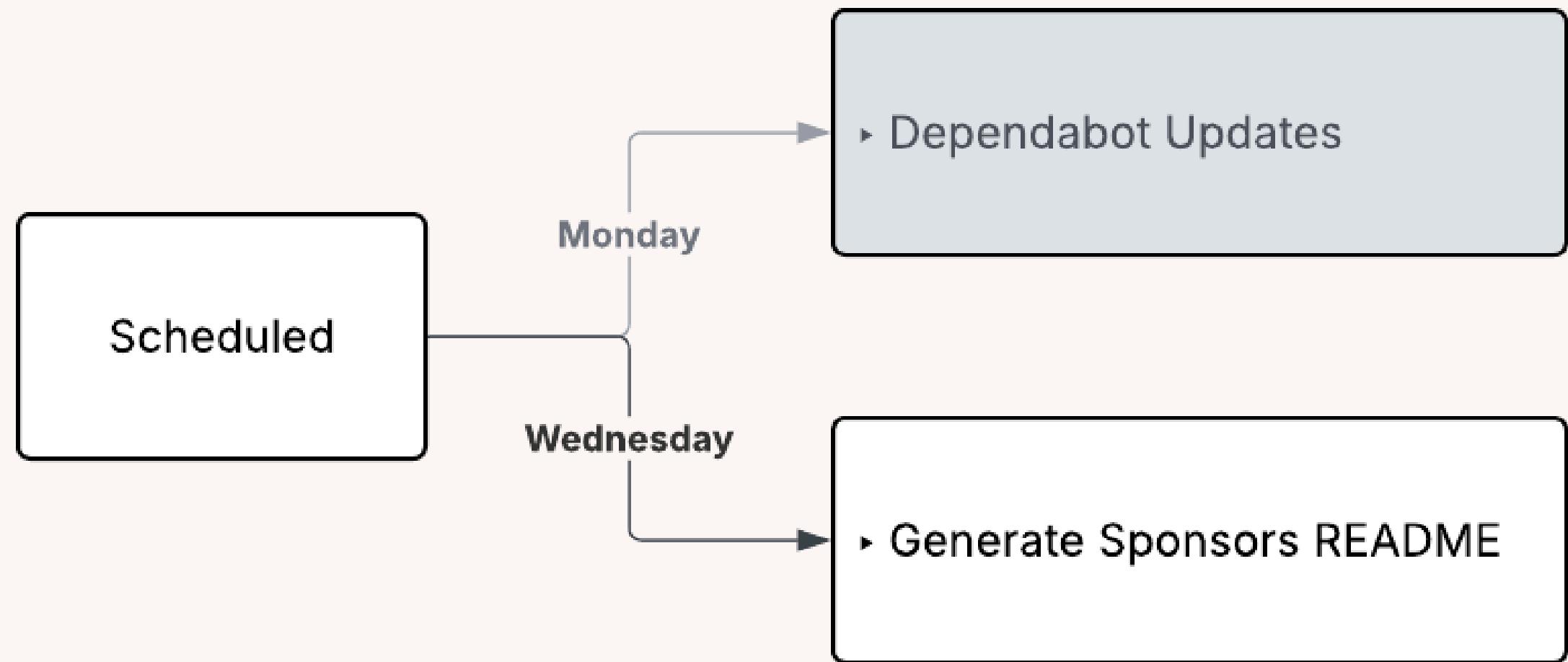
Diagrama de Processos



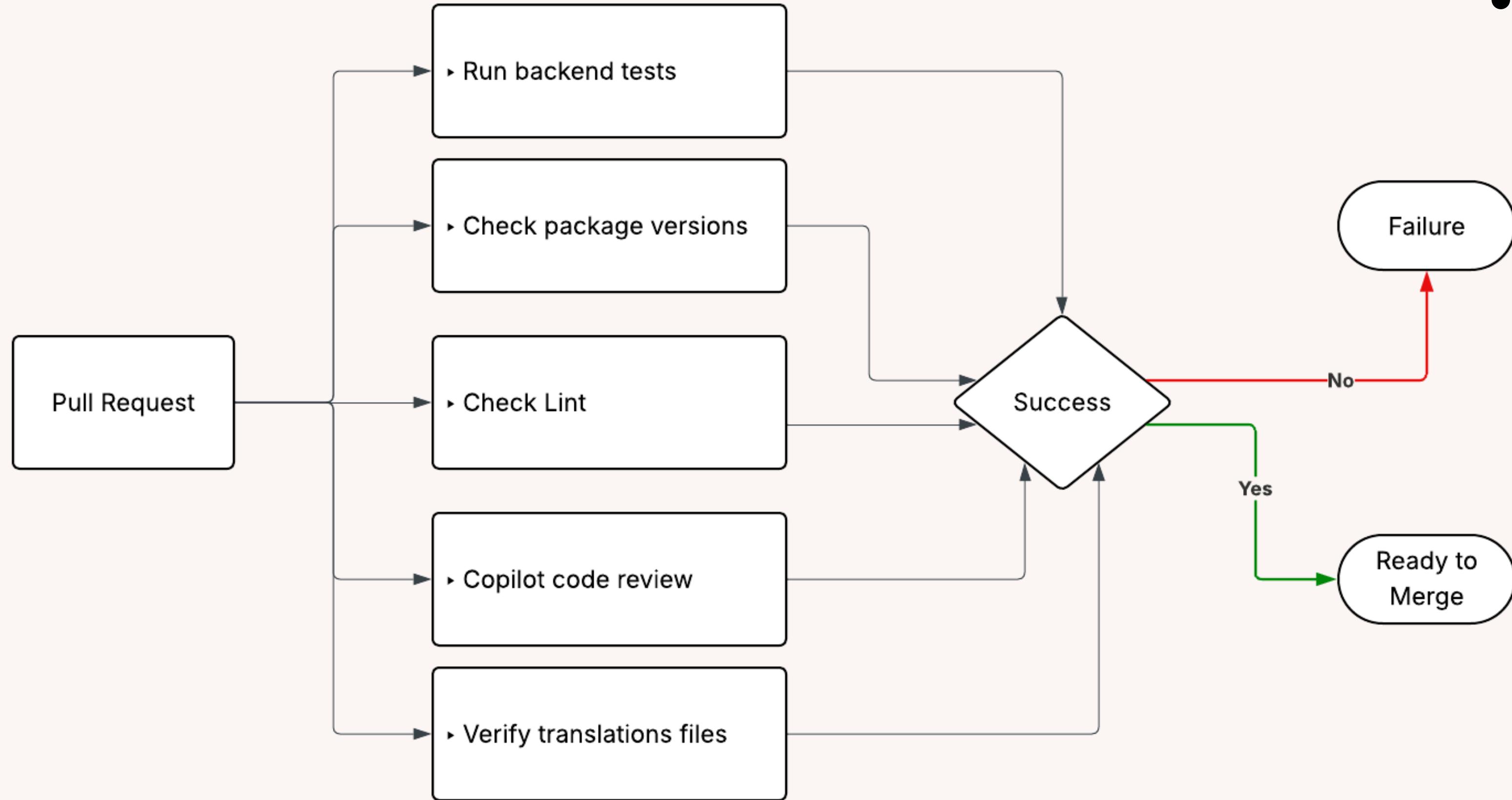
Automação



Automação



Automação

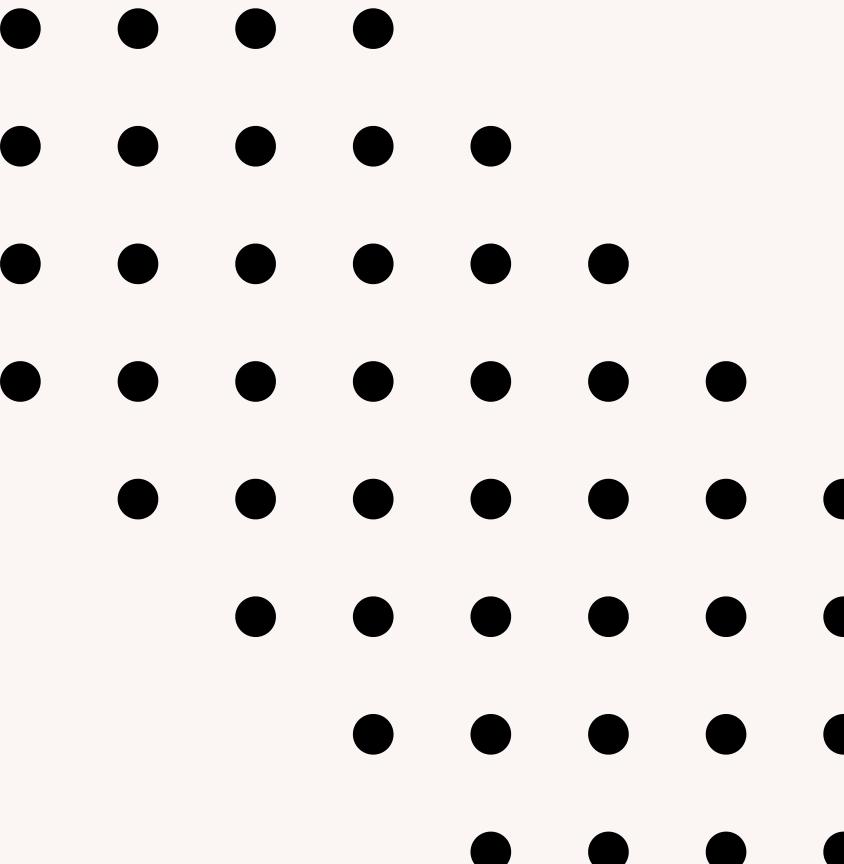


Riscos de Regressão

- **Riscos de falhas chegarem a produção:** A alta frequência de commits na branch principal, seguida rapidamente por builds e publicações de imagens Docker, indica que eventuais falhas não capturadas pelos testes automatizados podem ser propagadas para a versão distribuída. Essa conclusão vem da análise do curto intervalo entre pipelines de teste e publicação.
- **Risco de regressões por dependências externas:** Os workflows de build mostram reconstruções frequentes de imagens Docker e uso de bibliotecas de terceiros sem validação rigorosa de versões, o que pode introduzir mudanças inesperadas entre builds e causar regressões no comportamento do sistema.
- **Risco organizacional por centralização de acessos:** As etapas críticas de publicação dependem de segredos e credenciais acessíveis apenas a poucos mantenedores, aumentando a dependência de pessoas-chave e podendo comprometer a continuidade do processo em caso de indisponibilidade.

Gargalos e Limitações

- **Dependência de validação manual:** Mesmo com a presença de Workflows automatizados, a ausência de quality gates bloqueantes faz com que a efetivação de merges esteja sujeita a revisões humanas (o que tende a gerar gargalos em projetos de grande porte).
- **Centralização de decisões:** A distinção de privilégios e concentração de tomada de decisões a um grupo restrito acabam reduzindo a autonomia do projeto.
- **Assimetria na validação de imagens de Docker:** Os workflows de construção e publicação de Docker não são executados para merges provenientes de forks. Apesar de dirimir riscos de segurança, ela reduz a cobertura de validação e pode atrasar a identificação de falhas.
- **Baixo nível de automação:** A inexistência de automação para builds intermediários e dependência de reconfigurações manuais dos branches comprometem a reproduibilidade do ambiente e a evolução contínua, gerando gargalos operacionais.



OBRIGADO !

