

Magno F. B. Biét

Tecnólogo em Sistemas para Internet



Clean code always looks like it was written by someone who cares.

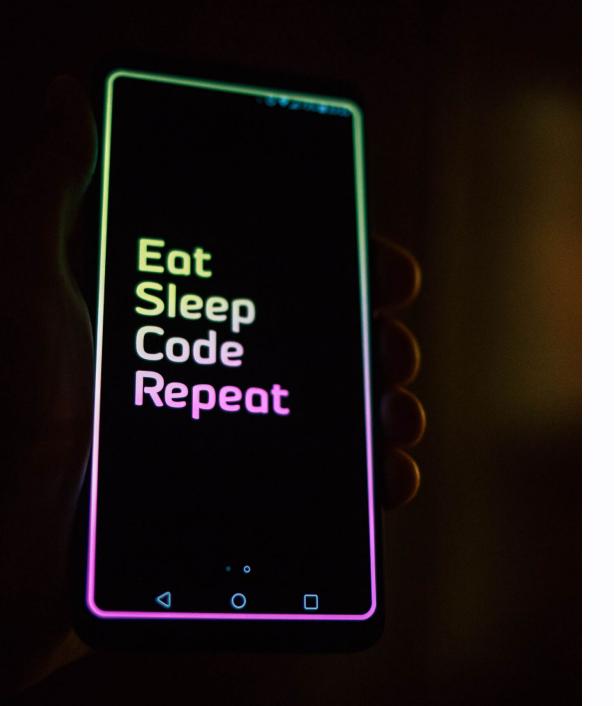


Why?

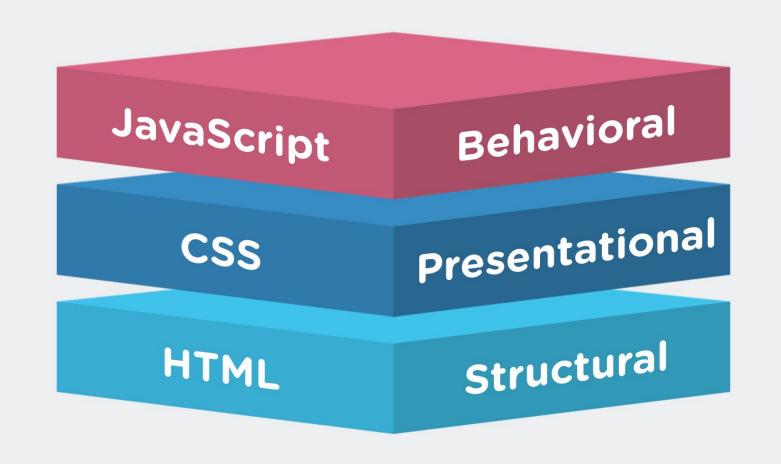
```
Standardization, Simplicity, Agility, Maintainability...
```

Coding Style Guide

```
JavaScript
   Angular
     Vue
    React
    Node
 PHP (PSR-2)
Python (PEP-8)
     Java
      C#
```



TL;DR





EditorConfig

EditorConfig is a file format and collection of text editor plugins for maintaining consistent coding styles between different editors and IDEs.

editorconfig.org

Extension Visual Studio Code

.editorconfig

EditorConfig Checker

npm install --save-dev editorconfig-checker
npx ec -init

package.json

```
"scripts": [
    "!
    "lint:editorconfig": "editorconfig-checker"
]
```

```
el--asta-->
 «title»(title)
  wheta name viewport content="width=device-width, initial-scale=1 & monomer worker & content="width=device-width, initial-scale=1 & monomer & content="width=device-width]
    **Illank rel= shortcut icon" href="/favicon.ico" type='image/x-icon'>
       * type="image/x-icon" href="/favicon.ico" type="image/x-icon">
          ** type "text/css" rel="stylesheet" href="css/materialize.min.css" methor known properties a
            ** rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/font-amessame/& & Reconfigure amessame/& & Reconfigure amessame
         HyperText Markup Language
                                                                              banner-->
                             «div class» "banner">
                                            enav class "nav">
                                                        «div class="nav-wrapper">
                                                                     «div class="container">
                                                                                                                                                                                                                                                                                             was mis in
                                                                                                                                                                                                                                                           11-only's
```

HTMLHint

The static code analysis tool you need for your HTML



htmlhint.com

Extension Visual Studio Code

npm install htmlhint --save-dev

.htmlhintrc

package.json

```
"scripts": [
    "lint:html": "htmlhint"
]
```

```
The cream; dit 6926-10-000
osition: relative;
z-index: 10;
border: 1px solid transparents
  -moz-border-image: linear-profile
   webkit-border-image: line CSS
    border-image: linear-gradient
    border-image-slice: 3;
  Cascading Style Sheets
   and position: center;
     services none;
      : Obx obx 2bx pJack;
```

Principles of writing consistent, idiomatic CSS

StyleLint

A mighty, modern linter that helps you avoid errors and enforce conventions in your styles.



Extension Visual Studio Code

```
npm install --save-dev \
    stylelint \
    stylelint-scss \
    stylelint-config-standard \
    stylelint-config-idiomatic-order
```

stylelint.config.js

package.json

```
"scripts": [
    "...
    "lint:style": "stylelint './src/**/*.{css,sass,scss}'",
    "lint:style:fix": "npm run lint:style -- --fix"
]
```

```
const afterSomelime = (time) => new Promise(resolve => {
      setTimeout(() => {
         resolve(true);
       }, time);
5
     const callAfterSomeTime = (callback, time) => afterSomeTime(time) #Hen(callback)
6
 7
      callAfterSomeTime(() => console.log('Hello after 1500ms'), "SMI);
 8
 9
       const getData = async (url) => fetch(url);
 10
 11
 12
        document
           .querySelector('#submit')
           .addEventListener('click', function yearscript
  13
                const name = document.querySelector('#name').value;
  14
   15
   16
                 const user = await fetch('/users?name=${name}');
                 const posts = await fetch('/posts?userId=${user.id}');
    17
                    _______await fetch('/comments?post=${posts[0].id}');
    18
     19
```

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ESLint

A pluggable and configurable linter tool for identifying and reporting on patterns in JavaScript. Maintain your code quality with ease.

eslint.org

Extension Visual Studio Code

```
npm install eslint --save-dev
npx eslint --init

# if you are using TypeScript
npm install typescript eslint --save-dev
npx tsc --init
npx eslint --init
```

package.json

```
"scripts": [
    "lint:script": "eslint",
    "lint:script:fix": "npm run lint -- --fix=true"
]
```

.eslintrc.js

packages scripts > src test types .babelrc.js .editorconfig .eslintignore .eslintrc.js .flowconfig .gitignore BACKERS.md LICENSE

v2.6.0-beta.2 | build: release 2.6.0-beta.2 build: build 2.6.0-beta.2 feat: dynamic directive arguments for v-on, v-bind and custom origin/dynamic-directive-arguments feat: dynamic args for currents perf: improve scoped slots change detection accuracy (#9371) test: test cases for v-on | v-bind dynamic arguments refactor: v-bind dynamic arguments use bind helper test: fix tests, resolve helper conflict fix: fix midd'e n adifier feat: handle ayr.ar ic argument for v-bind.sync origin|slot-optimization | perf: improve scoped slots charge feat: dynamic directive arguments for v-bind and v-on refactor: extend dom-props update skip to more fix: fix checkbox event edge case in Final test: fix tests in IE/Edge refactor: simplify time states and analysis CANCEL LANGUAGE CONTRACTOR

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~/.gitconfig

```
git config --global init.defaultBranch main
git config --global user.name "Magno Fernando Brixner Biét"
git config --global user.email "magno.biet@gmail.com"

git config --global core.editor vim
git config --global core.excludesfile ~/.gitignore_global
git config --global core.autocrlf input
```

.gitignore

Conventional Commits

conventionalcommits.org

```
<type>[optional scope]: <description>
[optional body]
[optional footer(s)]
```

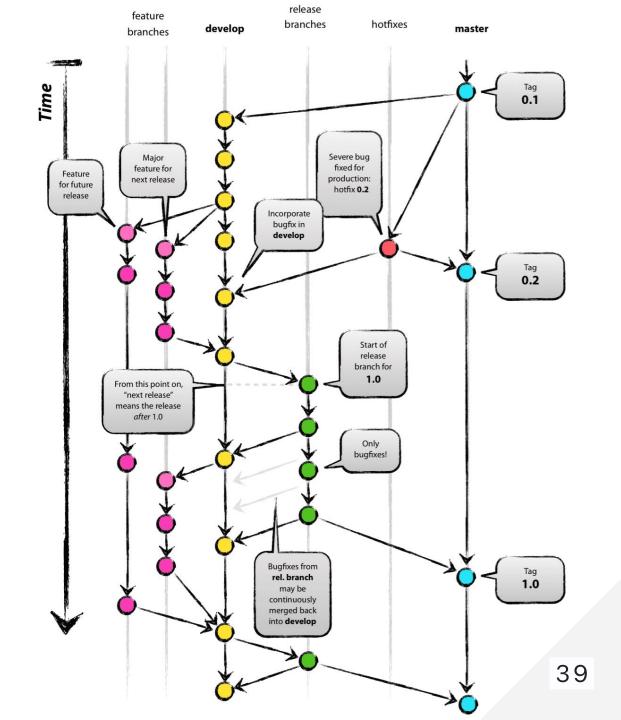
~/.gitmessage

```
<type>[optional scope]: <description>
[optional body]
Refs #
```

git config --global commit.template ~/.gitmessage

Branchs

gitflow-avh



.git/hooks

```
.git/hooks
   applypatch-msg
   commit-msg
    fsmonitor-watchman
    post-update
   pre-applypatch
    pre-commit
    pre-merge-commit
    pre-push
    pre-rebase
    pre-receive
    prepare-commit-msg
    push-to-checkout
   update
```

Husky

Modern native Git hooks made easy

typicode/husky





npx husky-init && npm install
rm -rf .husky/pre-commit

Commit Lint

Lint commit messages

conventional-changelog/commitlint





```
npm install --save-dev \
  @commitlint/config-conventional \
  @commitlint/cli
```

commitlint.config.js

package.json

```
"scripts": [
    "lint:commit": "commitlint"
]
```

Lint Staged

Run linters against staged git files and don't let 👜 slip into your code base!

okonet/lint-staged

npm install --save-dev lint-staged

lint-staged.config.js

package.json

```
"scripts": [
    "lint:staged": "lint-staged"
]
```

```
npx husky add .husky/commit-msg 'npm run lint:commit -- --edit "$1"'
npx husky add .husky/pre-commit 'npm run lint:staged'

npx husky add .husky/pre-push 'npm run lint:editorconfig'
npx husky add .husky/pre-push 'npm run lint:script'
npx husky add .husky/pre-push 'npm run lint:style'
```



SonarQube Snyk Code Quality Extension Pack for Visual Studio Code



Clean Code Object Calisthenics SOLID



