



**JS**

# Бойлерплейтинг в Авито

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<https://facebook.com/DenKolesnikov>

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In computer programming, **boilerplate code** or **boilerplate** refers to sections of code that have to be included in many places with little or no alteration. It is often used when referring to languages that are considered *verbose*, i.e. the programmer must write a lot of code to do minimal jobs.

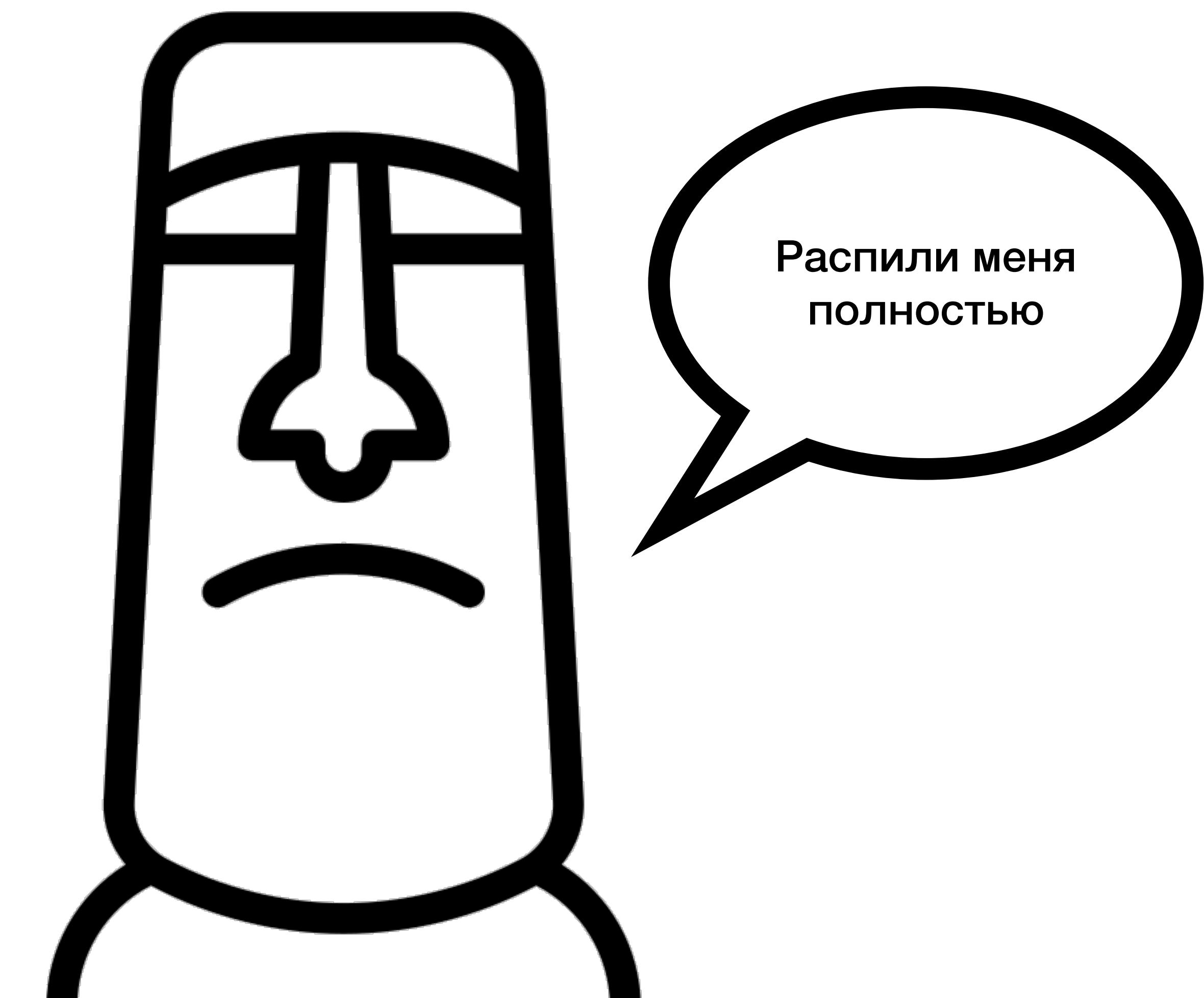
— Wikipedia

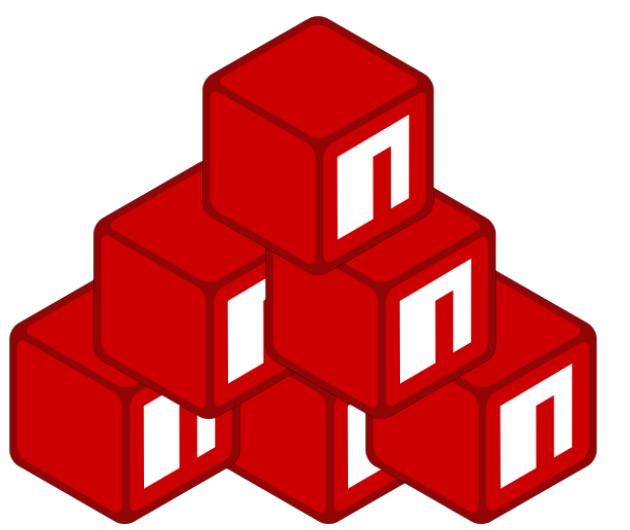
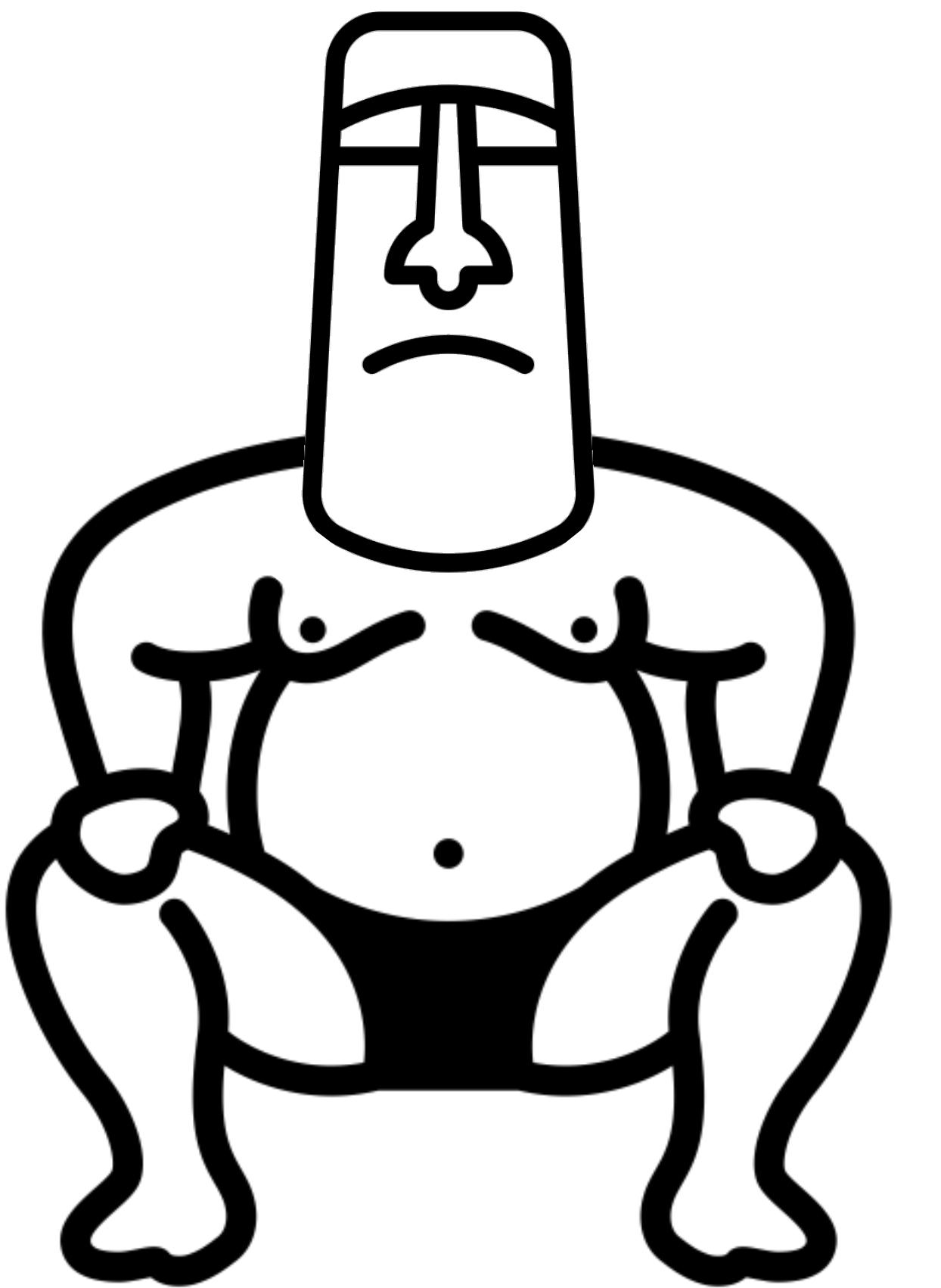
# Why?



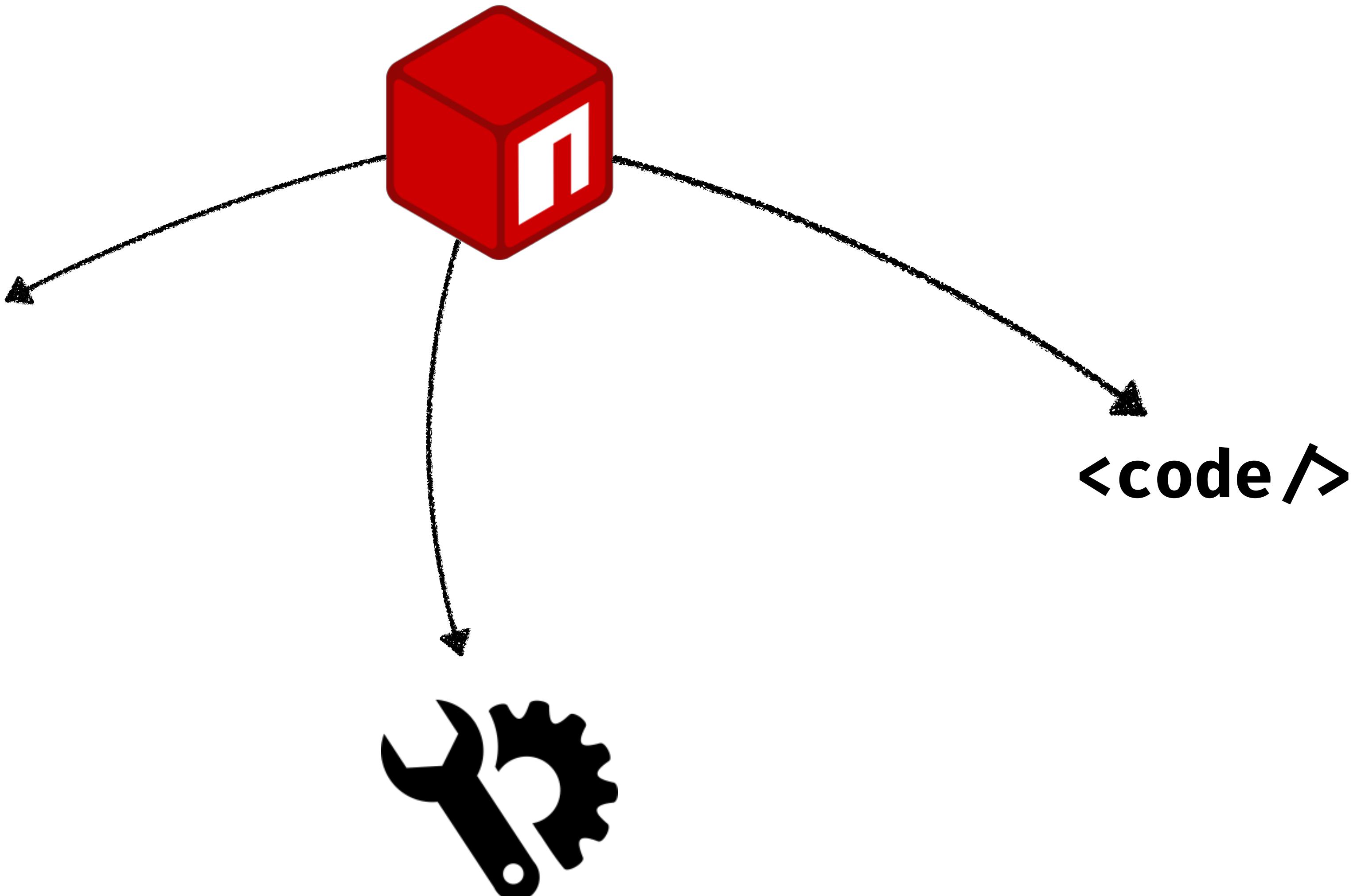
- Самый большой сайт объявлений в России
- 20 команд разработки
- Монолит на PHP \\_(ツ)\_/

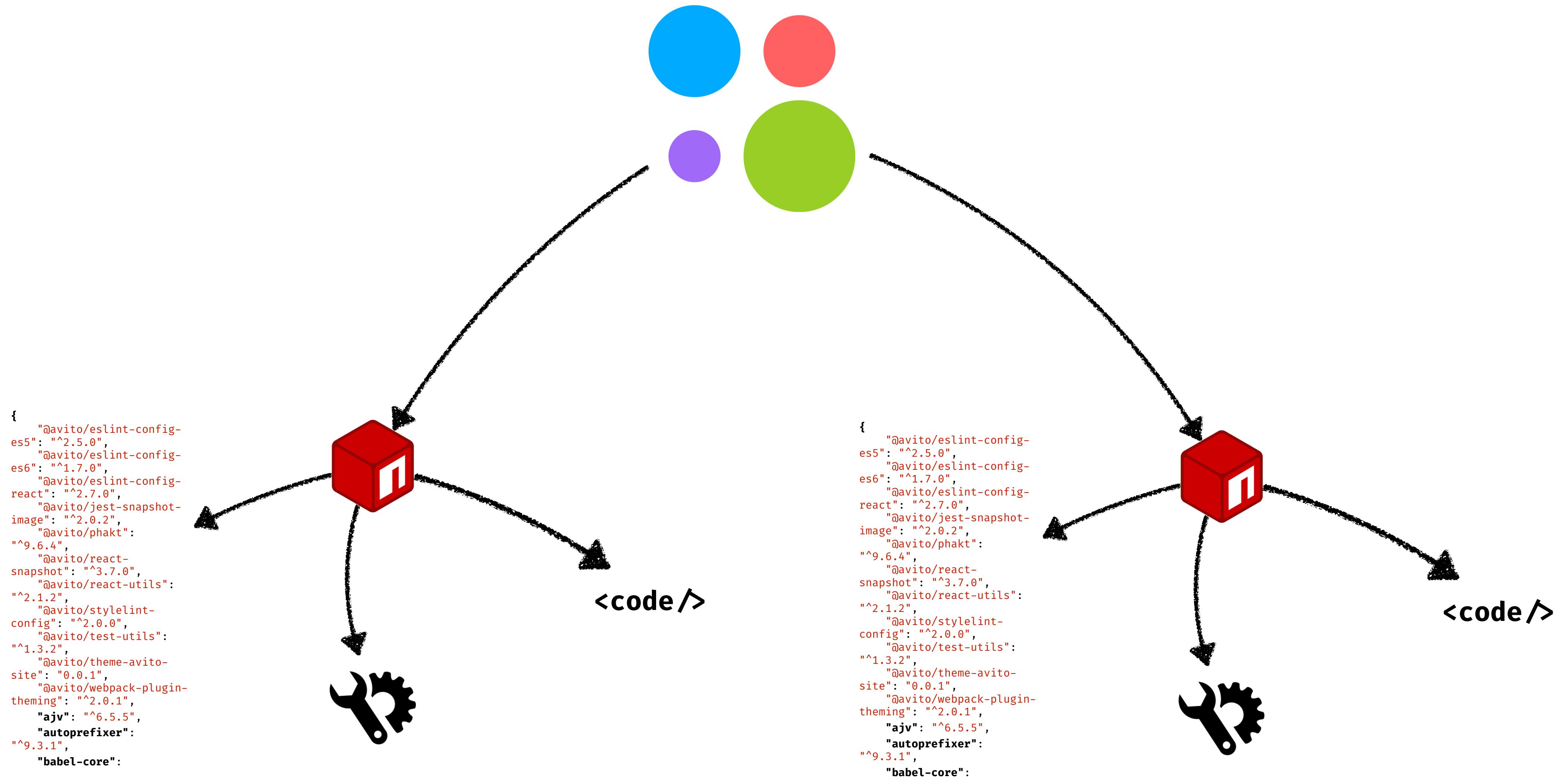
# Монолит

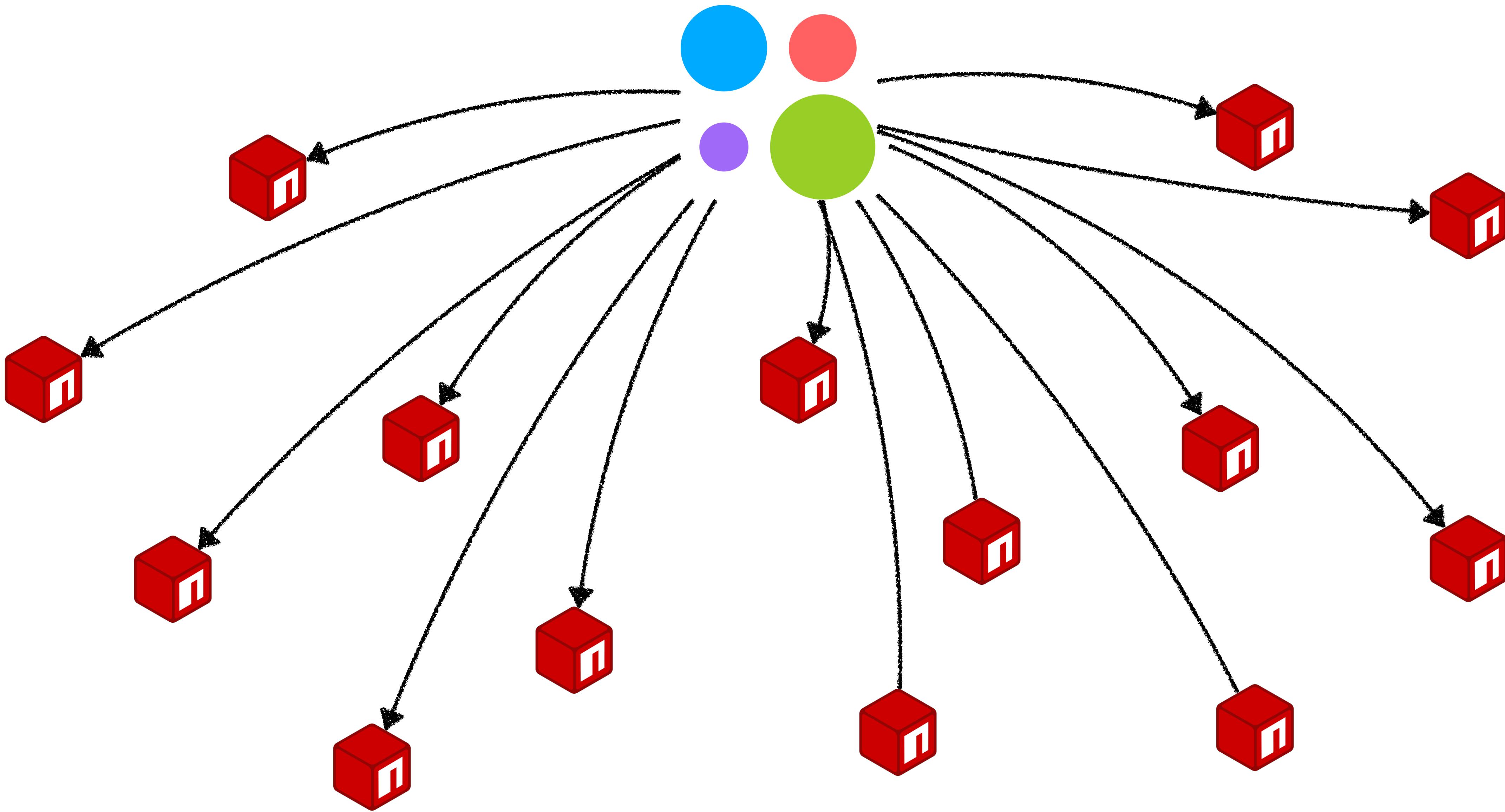




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  "@avito/eslint-config-es6": "^1.7.0",  
  "@avito/eslint-config-react": "^2.7.0",  
  "@avito/jest-snapshot-image": "^2.0.2",  
  "@avito/phakt": "^9.6.4",  
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  "react-test-renderer": "^16.6.3",  
  "style-loader": "^0.23.1",  
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  "stylelint-csstree-validator": "1.3.0",  
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  "url-loader": "^1.1.2",  
  "webpack": "^4.26.1",  
  "webpack-dev-middleware": "3.4.0",  
  "webpack-hot-middleware": "2.24.3"  
}
```







- Зависимости фактически одни и те же
- Конфиги фактически одни и те же
- Зависимости все разные
- Конфиги все разные
- **Как быстро начать разрабатывать, а не конфигурировать?**

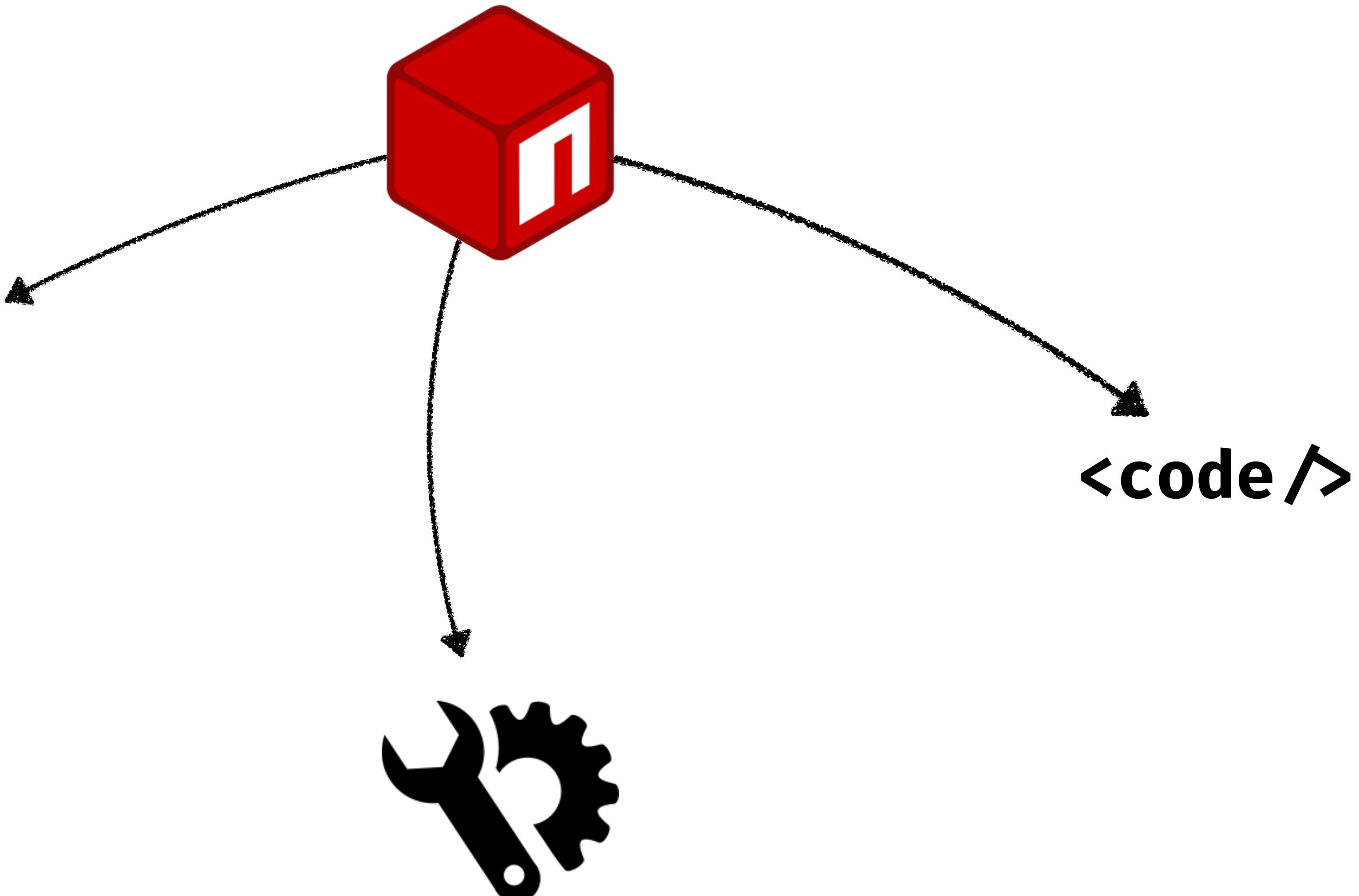
# Demo

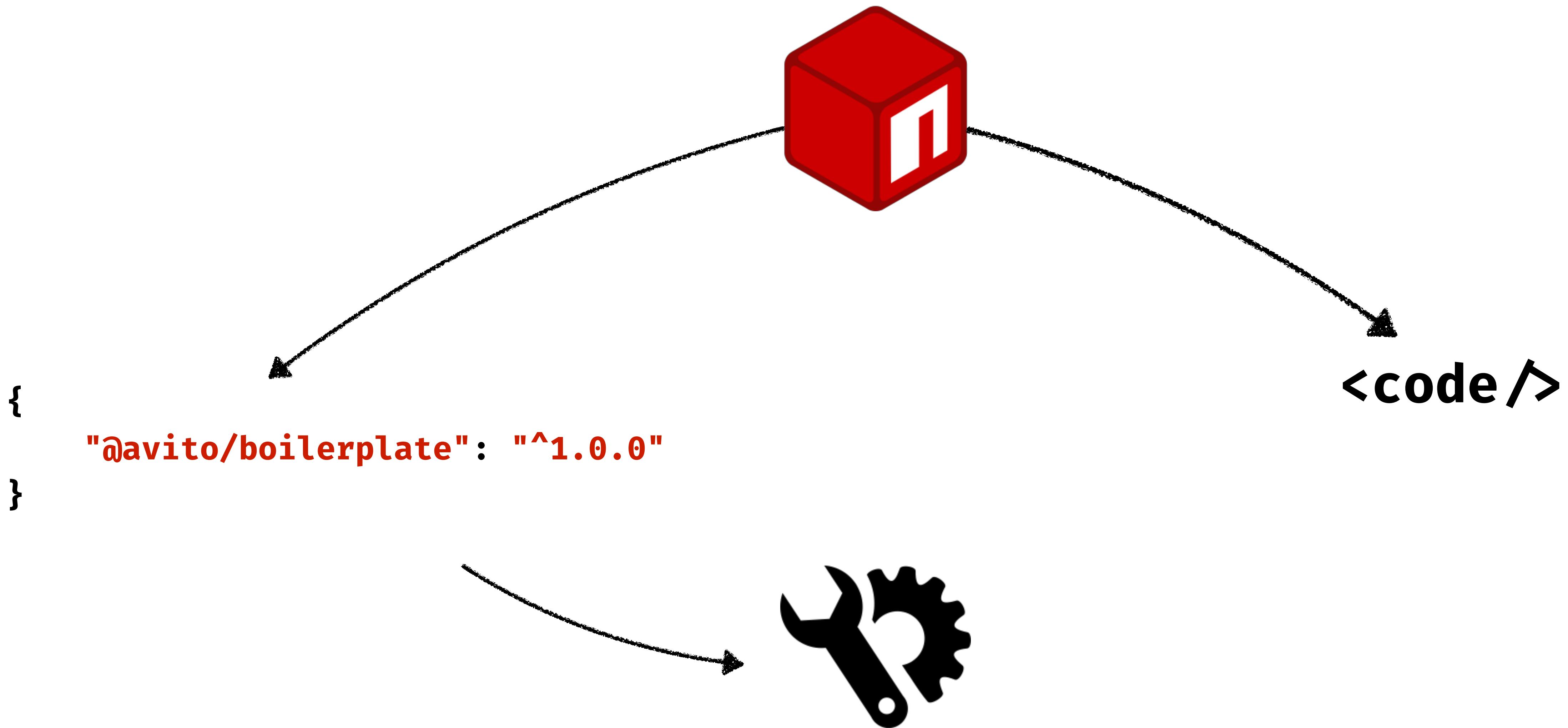
@avito/boilerplate

# Boilerplate

- Быстрый старт разработки пакета
- Удобное dev-окружение с HMR
- Возможность проксировать запросы в сервисы
- Все актуальные конфиги
- Легкое обновление бойлерплейта

```
{  
  "@avito/eslint-config-es5": "^2.5.0",  
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  "webpack-dev-middleware": "3.4.0",  
  "webpack-hot-middleware": "2.24.3"  
}
```





# Пакет с пакетами



# Demo

# CRA



Create  
React  
App

# Why not?

# Customize CRA

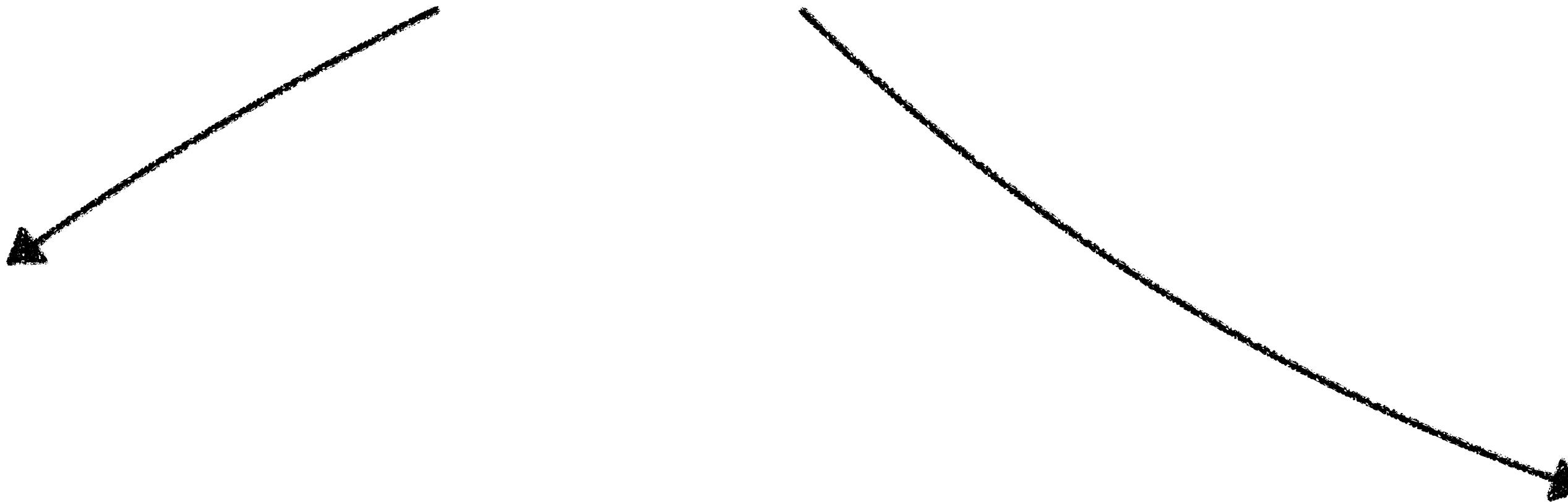
- npm run eject
- Fork react-scripts repository

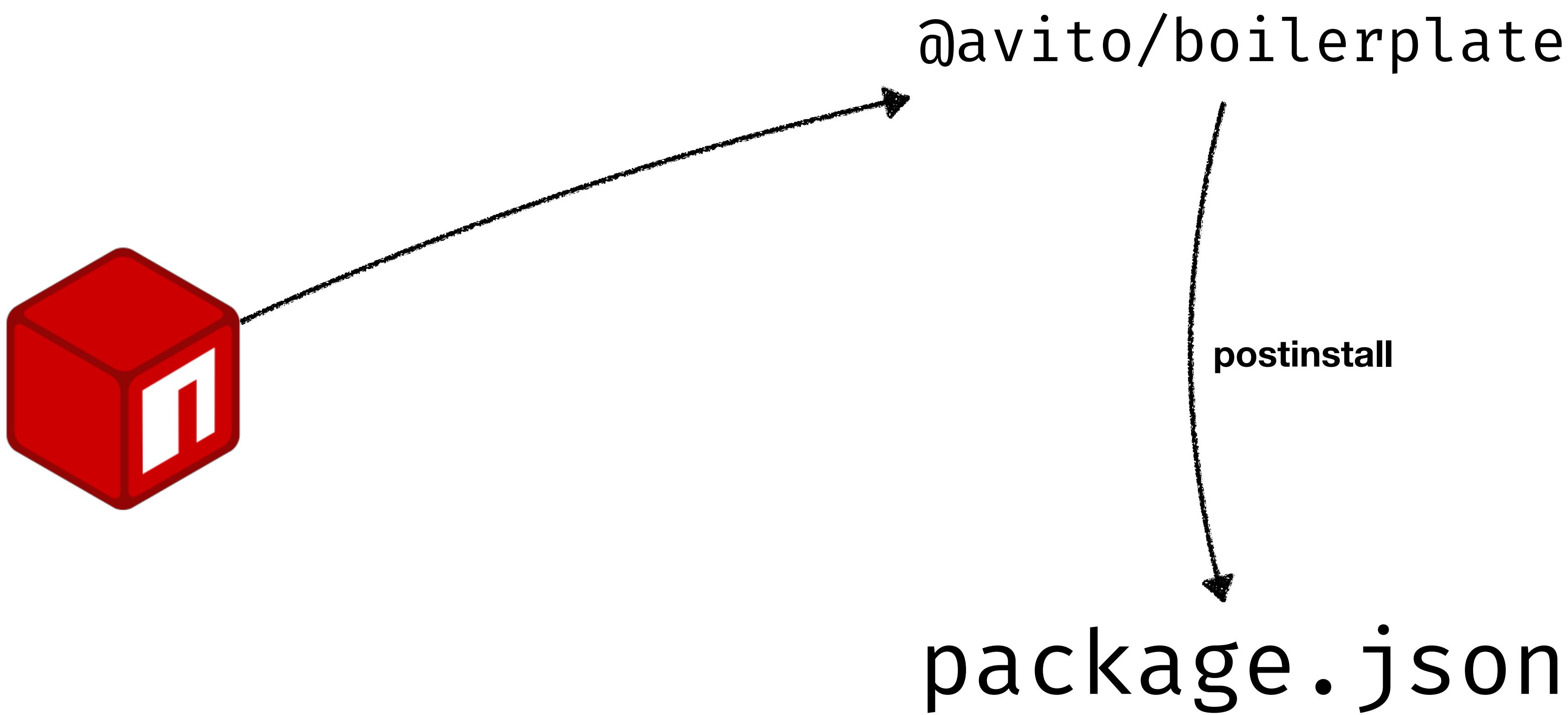
**“Note: this is a one-way operation. Once you eject, you can’t go back!”**

– *CRA Documentation*

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{  
  "@avito/eslint-config-es5": "^2.5.0",  
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```

# @avito/boilerplate



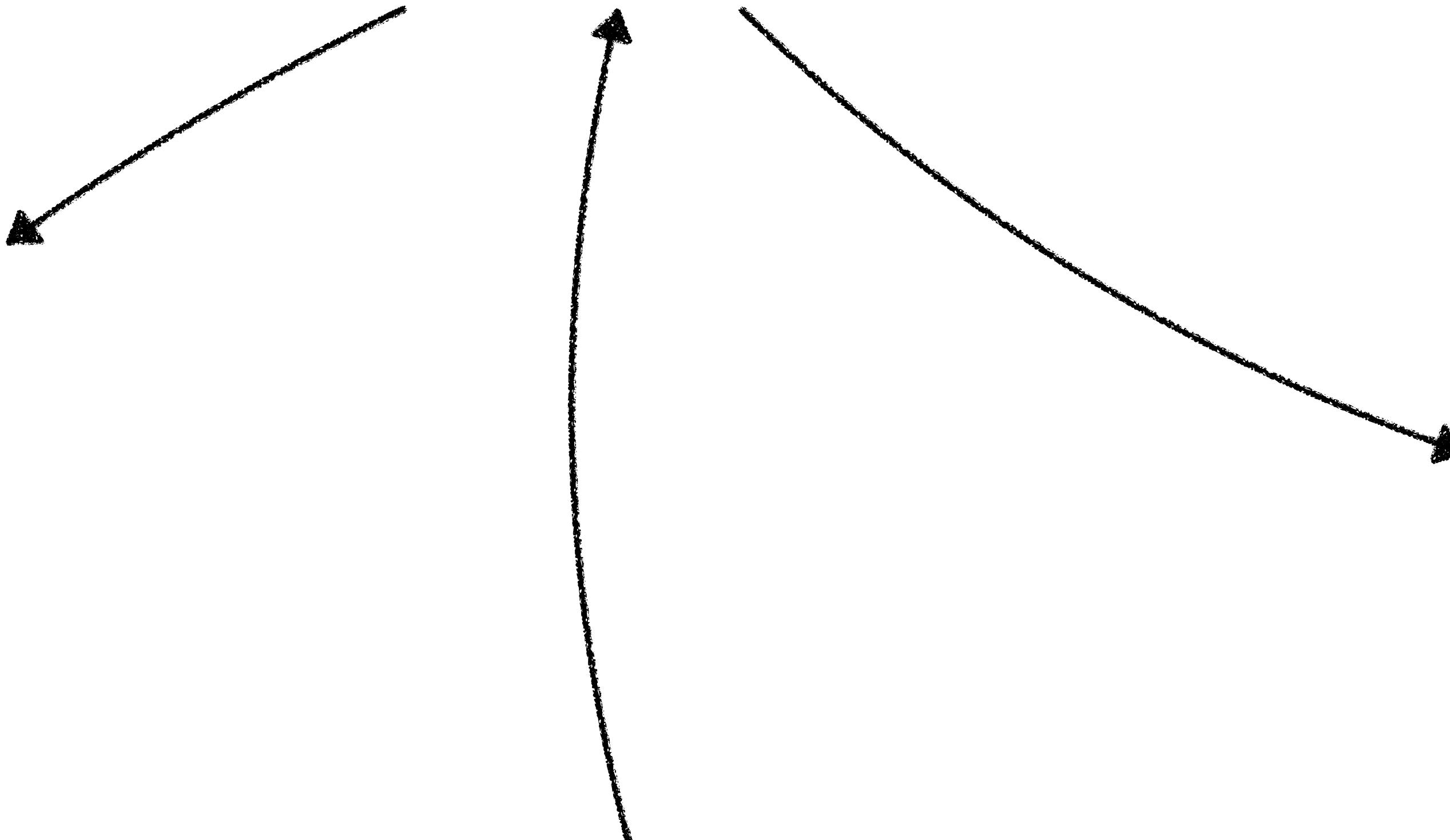


# package.json

- scripts
- eslint
- stylelint

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}
```

# @avito/boilerplate



# Boilerplate config

- package.json → “boilerplate”: {}
- boilerplate.config.js

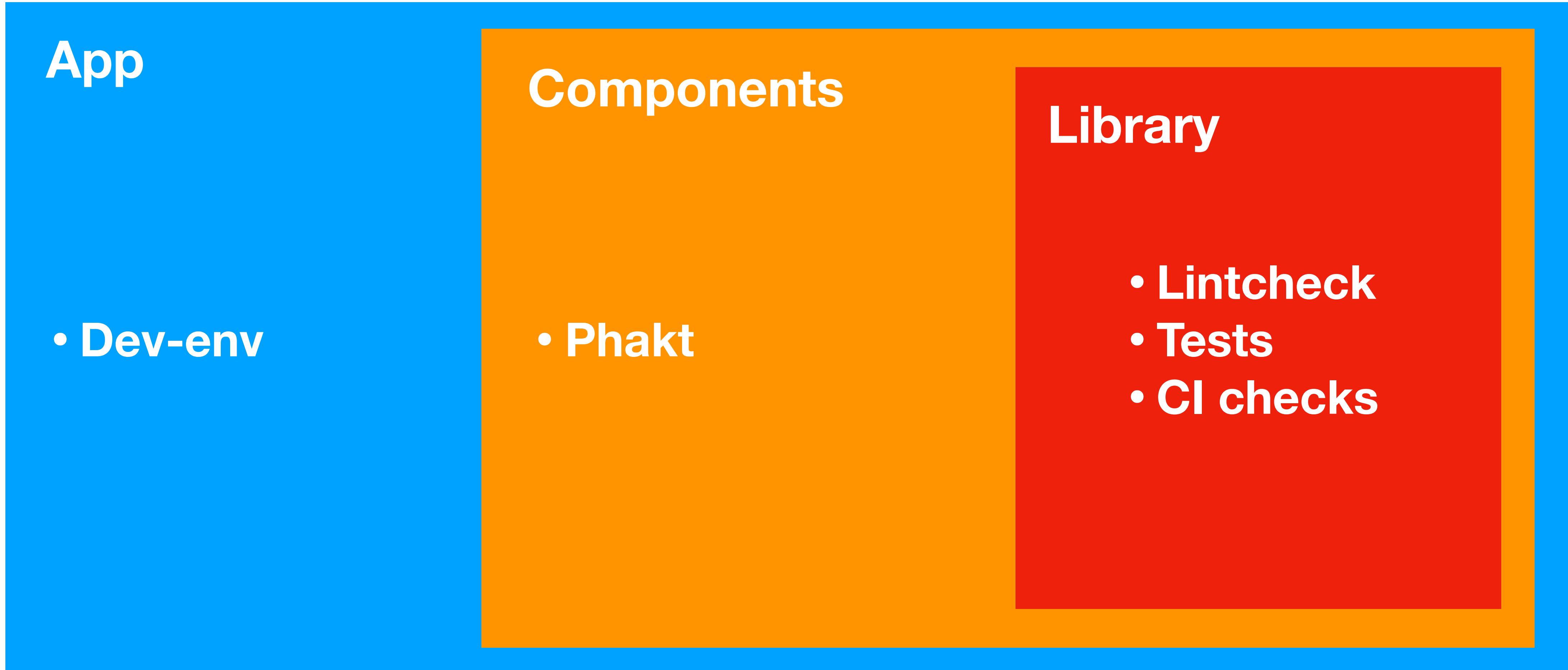
# Boilerplate config

- type
- entry
- htmlTemplate
- proxies
- processEnv
- theme

# Boilerplate types

- app
- components
- library

# Boilerplate types



# Migration guide

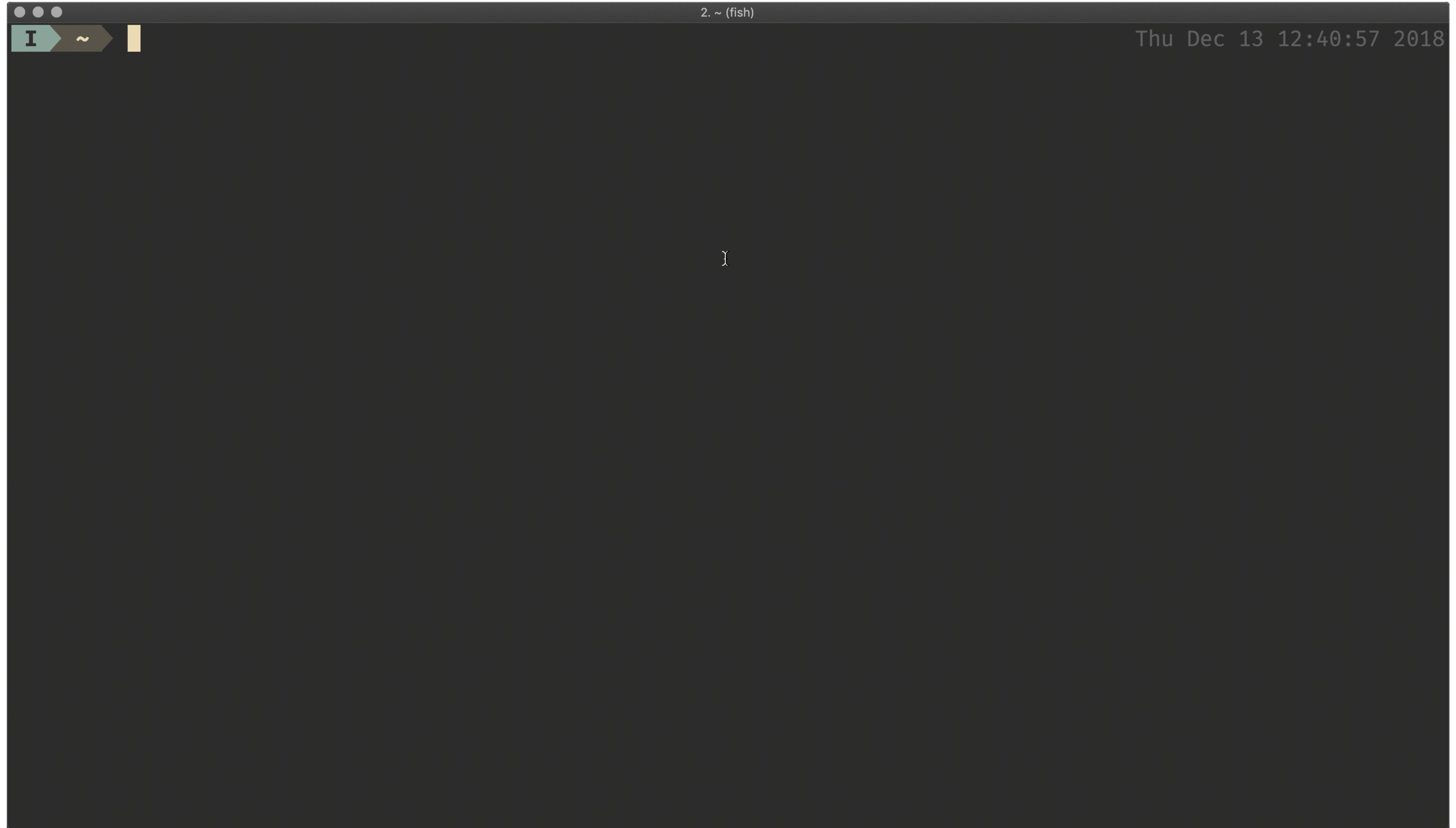
- Удалить из папки проекта все имеющиеся конфиги
- Из package.json нужно удалить все devDependencies
- В package.json нужно добавить секцию boilerplate
- npm install @avito/boilerplate –save-dev

~~THAT'S IT!~~

# Bonus!

@avito/create-boilerplate

npx



npx webpack

npm init something

npm init something

=

npx create-something

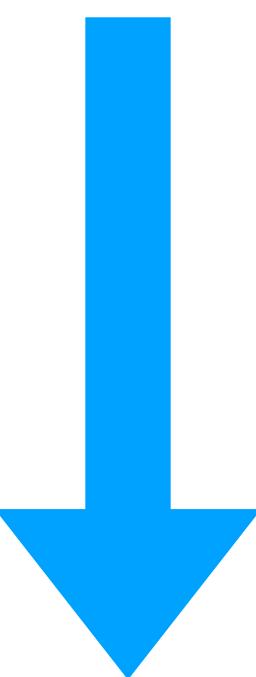
```
npm init @avito/boilerplate
```

```
npm init @avito/boilerplate
```

=

```
npx @avito/create-boilerplate
```

npx @avito/create-boilerplate



@avito/boilerplate

# Create-boilerplate

- Template engine
- User prompt

# Template engine



YEOMAN

На минималках

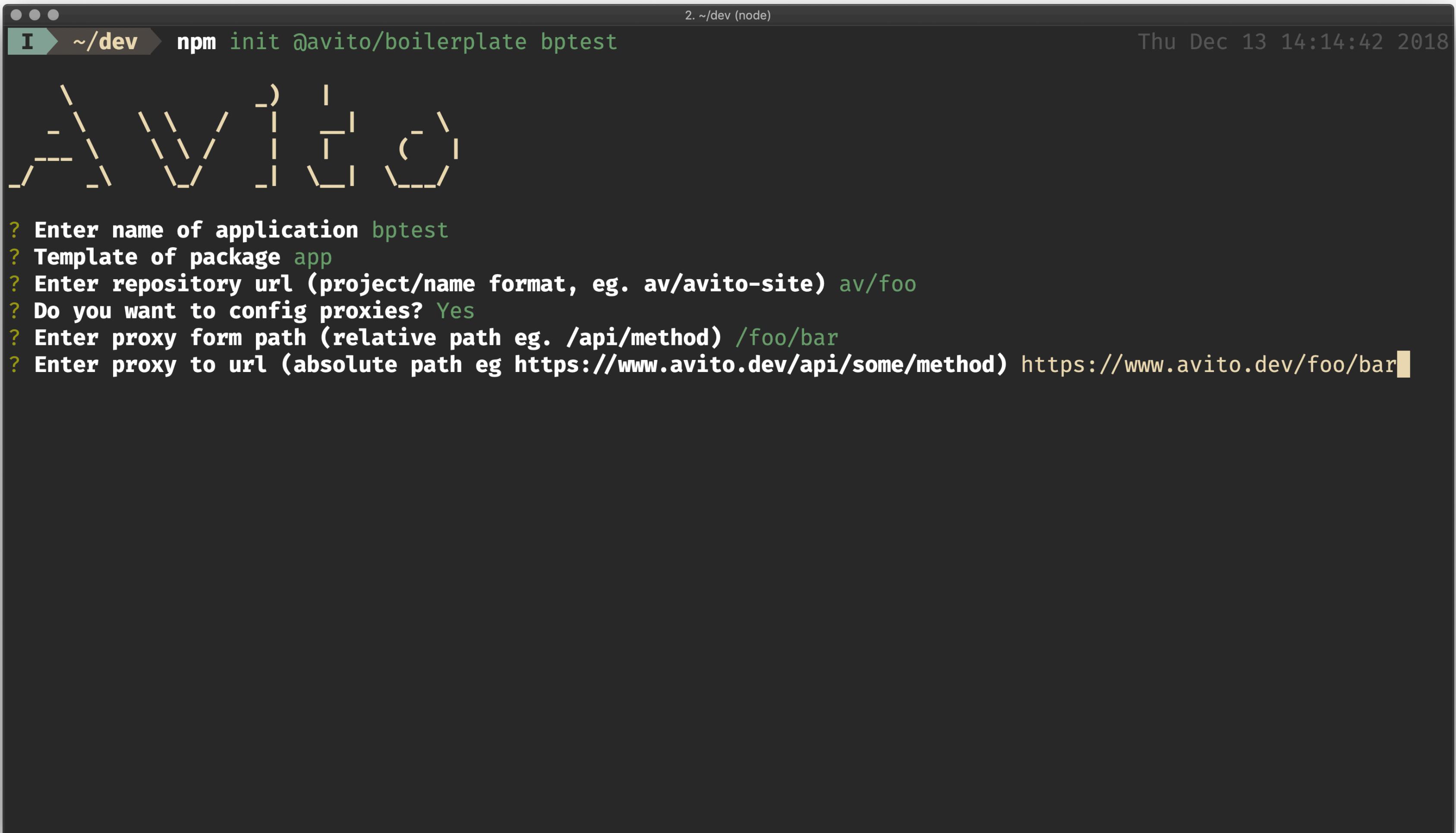
# Templates

```
app/
├── .editorconfig.hbs
├── .gitattributes.hbs
├── .gitignore.hbs
├── .npmignore.hbs
├── .npmrc.hbs
├── CHANGELOG.md.hbs
├── README.md.hbs
├── index.js
├── package.json.hbs
└── phakt.config.js.hbs
    └── src
        ├── app-dev.js.hbs
        ├── app.js.hbs
        └── app.spec.js.hbs
```

# Templates

- getPrompt
- getTemplateData

# User prompt



The screenshot shows a terminal window with the following details:

- Terminal title: 2. ~/dev (node)
- Date and time: Thu Dec 13 14:14:42 2018
- Command: `npm init @avito/boilerplate bptest`
- Output:
  - A series of decorative ASCII art characters resembling a stylized tree or a network graph.
  - Questions and prompts:
    - ? Enter name of application `bptest`
    - ? Template of package `app`
    - ? Enter repository url (project/name format, eg. `av/avito-site`) `av/foo`
    - ? Do you want to config proxies? `Yes`
    - ? Enter proxy form path (relative path eg. `/api/method`) `/foo/bar`
    - ? Enter proxy to url (absolute path eg `https://www.avito.dev/api/some/method`) `https://www.avito.dev/foo/bar`

# Summary

# Summary

- Быстрый старт разработки пакета ✓
- Удобное dev-окружение с HMR ✓
- Возможность проксировать запросы в сервисы ✓
- Все актуальные конфиги ✓
- Легкое обновление бойлерплейта ✓

ПЕРЕСЯДЬ С ИГЛЫ  
ШАБЛОННОГО  
КОДА  
НА  
ПАКЕТ ПАКЕТОВ



**Спасибо!**

Денис Колесников

Вопросы/Замечания/Предложения/Наброски

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