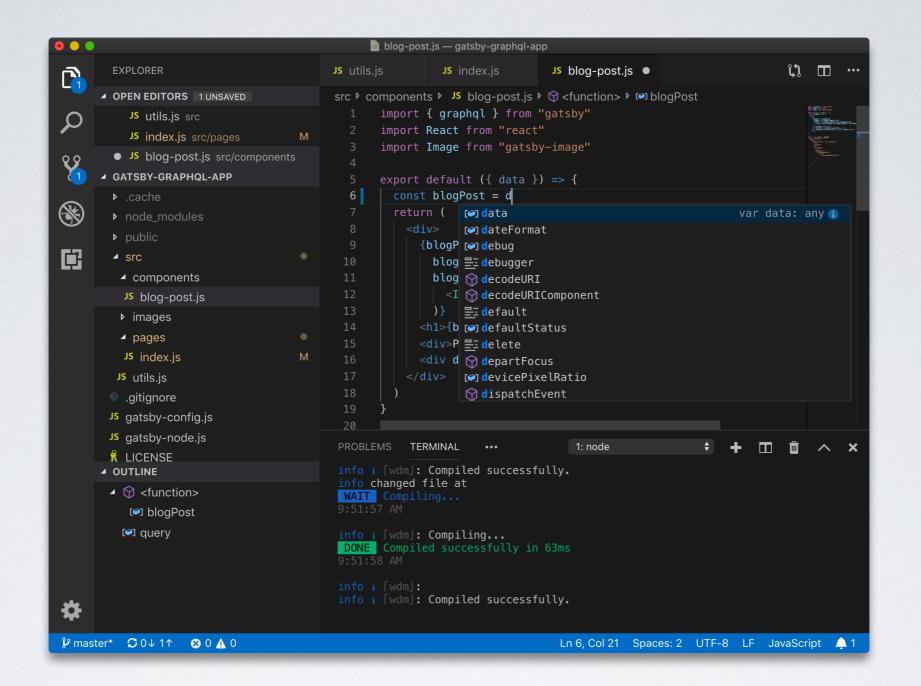
THE AGONY OF PICKING THE «BETTER» TEXT-EDITOR

Jon H. L. Johansen

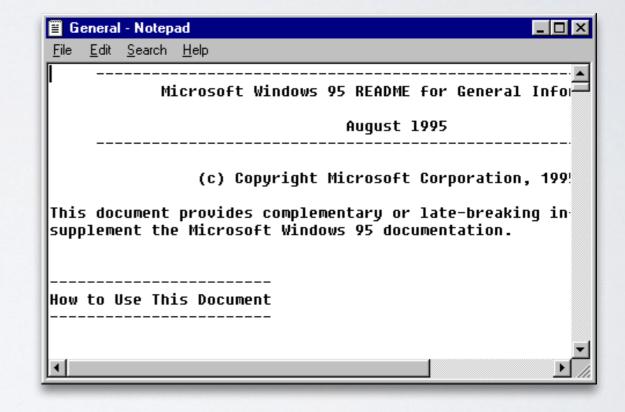


VISUAL STUDIO CODE

Microsoft

WHAT IS A TEXT-EDITOR

- Program that can create and edit text.
- Different than rich texteditors



IDE

(Integrated development environment)

- Text-editor on developer steroids
- · Authoring, modifying, compiling, deploying and debugging
- Syntax highlighting, code completion, refactoring, version control, debuggers, code search, visual programming, language support.
- E.g Visual Studio

```
jon_johansen_problem_set_2 — vim problem_6.c — vim — vim problem_6.c — 117×39
// Write a C function that takes an integer as parameter and returns that integer
// multiplied by 5.
// For example, if the function is called with the argument 5, it should return 25.
#include <stdio.h>
int fivetimes(b)
         b = b*5;
         return (b);
int main()
         int b;
         int retval;
         printf("Write a number you would like to multiply by five:\n");
         scanf("%d", &b);
         retval = fivetimes (b);
         printf("%d\n", retval);
```



VIM

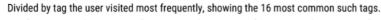
- Shipped with almost any distribution of UNIX (including macOS)
- Blazing fast
- Accessible and minimalistic
- Customisable
- Flexin'

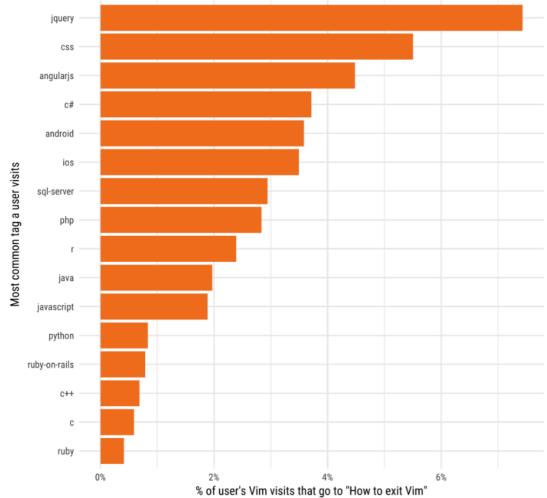
- Steep learning curve
- More text-editor
 than IDE

«I use VIM»

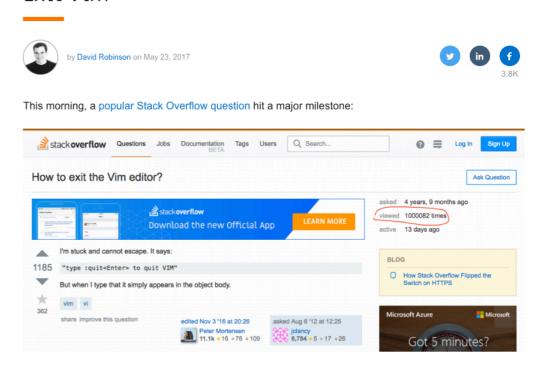
– Every VIM user ever

What developers are most likely to get stuck in Vim?

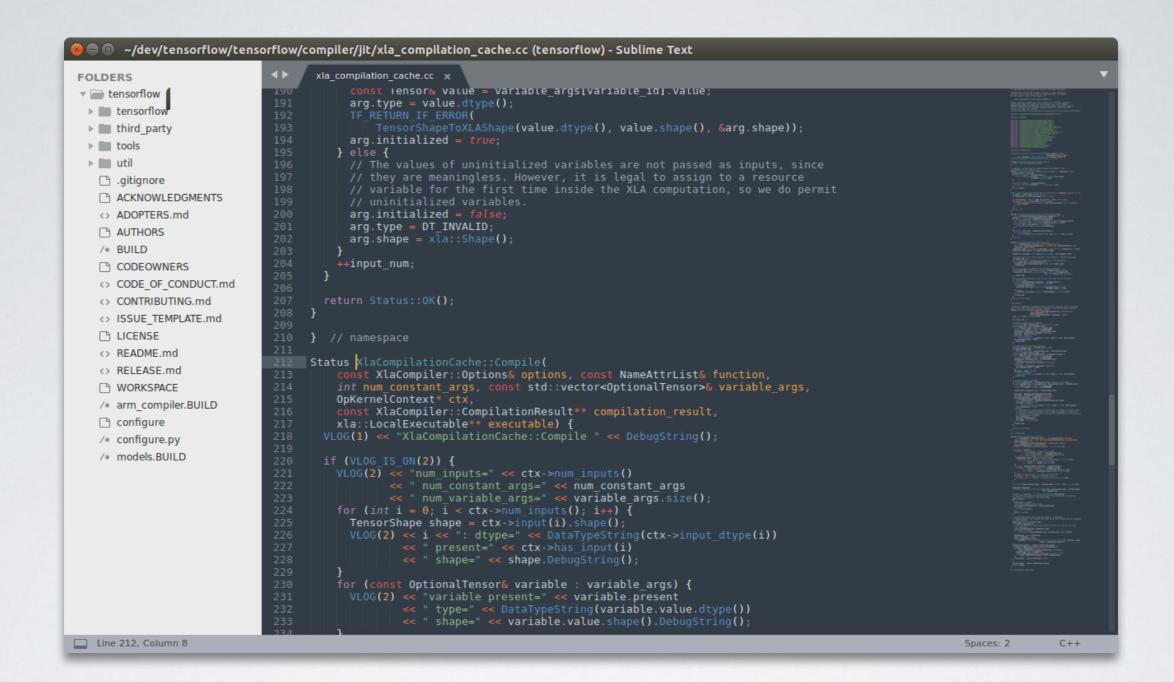




Stack Overflow: Helping One Million Developers Exit Vim







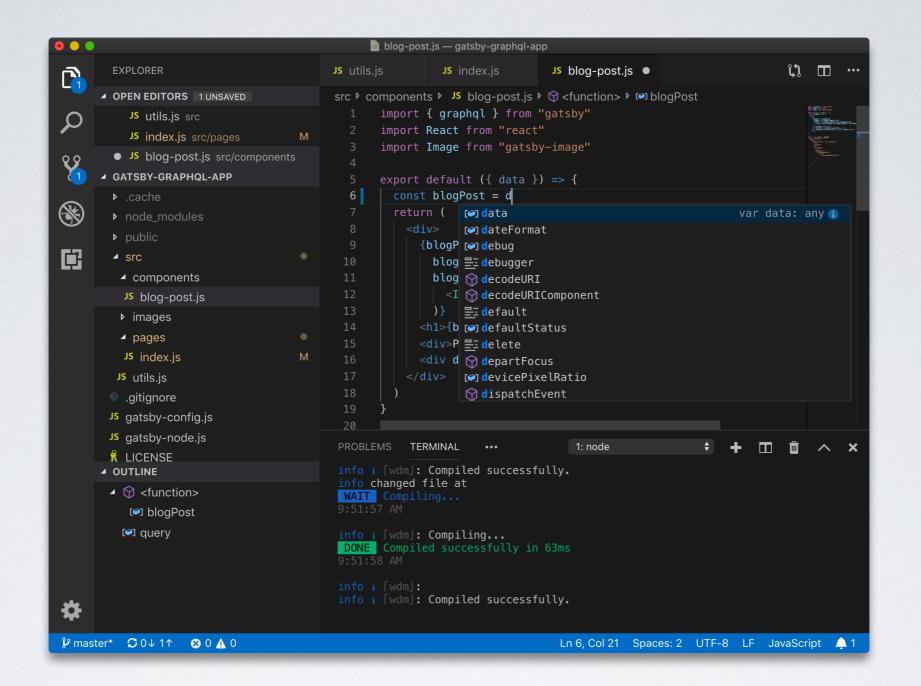
SUBLIME

Sublime HQ Pty Ltd

SUBLIME

- Simple and clean
- Fast
- Customisable with extensions
- Clean Ul

- Paid. 80\$/licence
- Not too many extensions



VISUAL STUDIO CODE

Microsoft

VISUAL STUDIO CODE

- Relatively simple and clean
- Large community for extensions
- Very customisable
- Integrated terminal &
 Version control

Electron based
 (Goodbye memory)

```
Structure view — ~/workspace/yang-piugin-structure-view

               Project
                                                    Js main.js
                                                                                                                                                                                                                               Structure View
                                               'use babel';
 yang-plugin-structure-view
                                                                                                                                                                                                                   CompositeDisposable
                                               import { CompositeDisposable } from 'atom';
                                                                                                                                                                                                                   StructureView
  > 💠 .git
  > keymaps
                                                                                                                                                                                                                   metrics
                                               import metrics from '@ali/yin-metrics';
  Y 🛅 lib
                                                                                                                                                                                                                   V logger
   > in tag-generators
                                              const logger = atom.yin_logger;
                                                                                                                                                                                                                    exports
                                              logger.info('[structure-view] Init starts');
logger.profile('[structure-view] Init');
    Js main.js
                                                                                                                                                                                                                      structureView
    JS structure-view.js
                                                                                                                                                                                                                      activate(state)
    JS tag-generator.js
                                                                                                                                                                                                                      deactivate()
    Js tag-parser.js
                                                                                                                                                                                                                      serialize()
                                                 structureView: null,
    Js util.js
                                                                                                                                                                                                                     Switch(stat)
  > menus
                                                                                                                                                                                                                        editors
  > iii styles
                                                       this.subscriptions = new CompositeDisposable();
                                                                                                                                                                                                                        v rightDock
                                                       this.subscriptions.add(atom.commands.add('atom-workspace', {
  > iii templates

→ 
→ handleOneInstanceError()

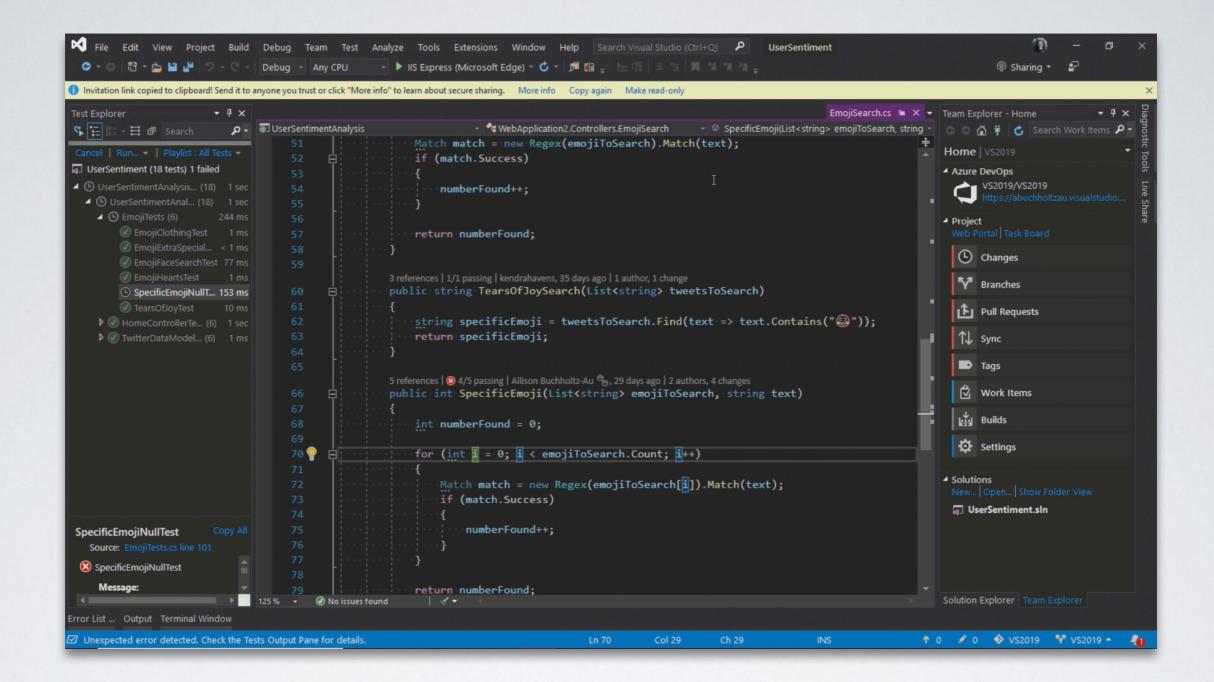
                                                           'yang-structure-view:toggle': () => this.switch(),
  > iii vendor
                                                                                                                                                                                                                        activePane
                                                            'yang-structure-view:show': () => this.switch('on'),
  MB CHANGELOG.md
                                                                                                                                                                                                                        rightDock
                                                            'yang-structure-view:hide': () => this.switch('off'),
  MI LICENSE.md
   README.md
   MB TODO.md
                                                       logger.info('[structure-view] Init finished');
                                                      this.subscriptions.dispose();
this.structureView.destroy();
                                                       logger.info('[structure-view] Toggle view starts');
                                                       if (editors.length < 1 ||
    (editors.length === 1 && !editors[0].getPath()) ) {</pre>
                                                           atom.confirm({ message: 'WARN', detailedMessage: 'No file is opened!', buttons: { Close: function () { return; } } });
                                                       if (!this.structureView) this.structureView = new StructureView();
                                                       const rightDock = atom.workspace.getRightDock();
```

ATOM Github

ATOM

- Relatively simple and clean
- Large community for extensions
- Very customisable
- Integrated terminal &
 Version control

Electron based
 (Goodbye memory)



VISUAL STUDIO

Microsoft

VISUAL STUDIO

- Has absolutely everything
- A lot of users, very well liked in enterprise.
- Free community edition

- Has absolutely everything
- Soooooooo many buttons
- Not super customisable
- Heavy for the computer
- Expensive enterprise edition for all features.

COMPARAISON

Editor	Customizable 10-scale*	Open source	Free	Version control
Vim	10			Not integrated
Sublime	6	X	✓ X	Extension
VScode	8			
Atom	8			
VS	4	X	✓ X	

^{*} in my opinion

MOVING FORWARD

- Try new editors!
 - Only 5 out hundreds mentioned in this talk.
- Try something i didn't talk about.
- No right answers, make up your own mind!



Maximise your productivity