Coding with Vim

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Tools Matters

- If your day to day job is writing code

- Velocity from your mind to screen

- Getting into "zone" is hard

- Try not to fall of the wagon

- Your tools should be organized to keep you on wagon

- This talk is about most important part of my coding tooling: The Editor = Vim

- Others might be, shell, terminal, terminal multiplexer etc.

Why not IDEs?

- Reasons not to use IDEs

  - Big

  - Slow

  - Resource consumption

  - Dedicated to one language

  - Each has it's own learning curve

  - Portability / Cross Platform

- Not these;

  - Makes our job easy

  - Autocompletion

  - Go to definition/source

  - Easy access to documentation

  - Easy project navigation

  - All those goodies

Vim: History

- **vi** is a screen-oriented text editor originally created for the Unix operating system.

- The original code for vi was written by Bill Joy in 1976

- Vim (/vɪm/;[4] a contraction of Vi IMproved) is a clone of Bill Joy's vi text editor program for Unix

- First released publicly in 1991

It's not about Vim itself!

Vim: Modal Editing

- Keyboards has limited amount of "key"s

- Lots of programs use modifier keys (Ctrl, Alt, Shift etc.) to extend meaning of keys

- Did you try this in a Python shell? **import this**

- Namespaces are one honking great idea -- let's do more of those!

- Vim uses "modes" for namespacing

- Which gives an entire layer on top of all keys without killing your pinkie and wrists!

Vim: Text Editing Language

- On top of modal editing model defines a "programming language" for text editing

- No need to memorize

- Movements, commands, functions, objects etc.

- Best and the most important: Composability

- Essence of the programming

Vim: Today & Future

- Neovim - http://neovim.io

- Vim 8 - https://github.com/vim/vim/blob/master/runtime/doc/version8.txt

- Power of the open source which lets competition

Python!

Vim: Python Development Setup

- Python specific (not all) configurations

  - Built-in syntax support

  - Jedi - Python introspection (autocomplete, refactoring, smart navigation etc.)

  - Neomake - On the fly linting (pep8, flake8 etc.)

How to become a Vimmer?

- Take vimtutor

- Avoid culture shock

- Most modern editors has good (enough) Vim emulations

  - Sublime Text

  - PyCharm

  - Atom

  - VSCode

"Any editor don't have a good Vim emulation is not comparable to Vim "

–Zacharias Koch

The Killer Combo (IMHO)

- A fast terminal (Alacritty, iTerm2 runs on GPU)

- Fish Shell

- Tmux

- Vim

- Fully portable between Macos and Linux

- Fully compatible with servers with only SSH access

- https://github.com/zekzekus/dotfiles.git

Teşekkürler!

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