

Neovim Cheat Sheet: Essential Tricks and Shortcuts

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0.1 Installation

- Clone the dotfiles and copy the Neovim config into your ~/.config directory:

```
git clone https://github.com/JakeJing/dotfiles.git
mv dotfiles/.config/nvim -P ~/.config/
```

- Open plugins.lua and type :w to launch the auto-installation.
- Use :checkhealth to verify that all dependencies are properly set up.

0.2 Navigation & Movements

- hjkl: move left, down, up, right
- Ctrl+d/u: scroll down/up one page
- Ctrl+n/p: next/previous file in window
- i/I: insert before cursor / at line start
- a/A: append after cursor / at line end
- 0 / ^: go to line start
- \$: go to line end
- o/O: new line below/above
- %: jump between matching brackets
- b/e/w: word navigation (back, end, next)
- f{x} / F{x}: move to char {x} forward/back
- t{x} / T{x}: move before char {x} forward/back
- ' ' or g:: go back to previous position
- o (in visual mode): toggle selection endpoint

0.3 Bookmarks (with Telescope)

- mm: toggle bookmark
- Shift+n: next bookmark
- Shift+b: previous bookmark
- ma: view all bookmarks
- :Telescope vim_bookmarks all: list all bookmarks
- :Telescope vim_bookmarks current_file: list for current file

0.4 Deleting Text

- dd: delete line
- 3dd: delete 3 lines

- `D` or `d$`: delete to line end
- `d0`: delete to line start
- `x`: delete character under cursor
- `dw`, `diw`, `daw`: delete word (various scopes)
- `dip`: delete paragraph
- `di"`: delete inside quotes
- `:%d`: delete entire file content
- `ci"` / `ci(`: delete and insert inside quotes/brackets

0.5 Joining Lines

- `J`: join lines with space
- `gJ`: join lines without space

0.6 Increment Numbers

- Select numbers with `Ctrl+v`, then `g Ctrl+a` to increment

0.7 Word Count

- `:WordCount`: custom word count (requires user-defined function)
- `<leader>wc`: shortcut for word count

0.8 Selection (Visual Mode)

- `v`, `V`, `Ctrl+v`: character, line, and block selection
- `viw`, `vaw`: inside/around word
- `vi{`: inside block (like function)
- `f{char}` in visual mode: fast selection

0.9 Multi-line Insert & Append

Note: Only works in **visual block mode** (`Ctrl+v`).

- **Insert start**: `Ctrl+v`, select, `Shift+i`, type, then `Esc`
- **Append end**: `Ctrl+v`, select, `Shift+a`, type, then `Esc`
- **Change text**: select block, press `c`, type, then `Esc`

0.10 Editing Text

- `ci(`: change inside parentheses
- `cip`: change inside paragraph
- `cw`: change word

0.11 Yank & Paste

- `yy`, `yiw`, `ya(`, `y2w`: yank lines, words, brackets
- Use [neoclip](#) for yank history:
 - `<C-c>` to yank
 - `<C-p>` to paste from history

0.12 Substitution

- `S`: start substitution (`:%s//g` via remap)
- `cgn`: change next match, repeat with `.`
- Regex substitution:

```
:%s/[-.+/a-zA-Z0-9"$]*\ze:/`\\0`/g
```

- `R`: overwrite text
- `:'<,'>s/old/new/g`: substitute in selection
- `:cdo s/old/new/g`: substitute across quickfix list

0.13 Repeating & Undoing

- `..`: repeat last change
- `u` / `U`: undo / undo line
- `Ctrl+r`: redo
- `Ctrl+s`: open terminal in vertical split
- `:vs` | `:term`: open vertical terminal

0.14 Quit & Save

- `ZZ`: save and quit
- `ZQ`: quit without saving

0.15 Key Mapping & Help

0.15.1 Special Keys

```
<Tab>, <CR>, <Esc>, <Space>, <A-j>, <C-s>, <Up>, <F1>...<F12>, etc.
```

0.15.2 Check Mappings

```
:imap <A-j>  
:verbose imap <Tab>
```

0.15.3 Help

- `:h {key}` or `:help ctrl-w_<`
- `:h telescope.command`, `:h regex`
- `fh` or `<leader>fh`: floating help

0.16 Terminal Tricks

- `Ctrl+s`: toggle floating terminal
- `:r !ls`: insert output of shell command

0.17 TermVifm + Zoxide

- Bind `vf` to launch `vifm`
- Use `zoxide` with `<leader>Z` to jump to dirs
 - Install with `brew install zoxide`
 - Add to `config.fish`:

```
zoxide init fish | source
```

0.18 Search

- `ff`: find file
- `fa`: find all in buffer
- `fw`: find word
- `'Search`: exact match
- `:set hlsearch / :nohlsearch`: toggle highlights

0.19 Buffers

- `:bfirst`, `:blast`, `:bnext`, `:bprevious`
- `:ls`: list buffers
- `:bd [num]`: close buffer
- `:b <TAB>`: autocomplete open buffers
- `Ctrl+^`: toggle last buffer

0.20 Window Management

- `Ctrl+w w`: switch windows
- `Ctrl+w h/l`: left/right
- `Ctrl+w _`: maximize
- `Ctrl+w =`: equalize
- `Ctrl+w R`: reverse splits
- `Ctrl+w t Ctrl+w K`: horizontal → vertical
- `Ctrl+w t Ctrl+w H`: vertical → horizontal
- `Ctrl+Cmd+F` or `fn+F`: full screen

0.21 Git with LazyGit

- `Ctrl+g`: open LazyGit
- `c`: commit
- `Shift+p`: push
- `?`: help
- `gl`: git logs

0.22 Linting & Formatting

- `:NullLsInfo`: see current null-ls status
- `:echo executable("eslint")`: check if installed
- `:LspStop`: stop diagnostics

0.23 Registers & Special Characters

```
"%": current file
"#": alternate file
"*, "+": system clipboard
"/": last search
":": last command
"-": last small delete
".": last insert
"=": expression register
```

0.24 Cmdline Modes

```
: Normal command
> Debug mode
/ Forward search
? Backward search
= Expression
@ Input()
- Insert/append text
```

- q:: show command history