Developer's Ultimate Hotkey Cheat Sheet

TMUX

Session Management

`tmux new -s <name>`	Create new named session
`tmux ls`	List all sessions
`tmux attach -t <name>`	Attach to named session
`tmux kill-session -t <name>`	Kill named session
`Ctrl-b d`	Detach from session
`Ctrl-b s`	List and switch sessions
`Ctrl-b $`	Rename current session

Tmux Resurrect

`Ctrl-b Ctrl-s`	Save tmux session
`Ctrl-b Ctrl-r`	Restore tmux session
`tmux-resurrect-save`	Save session manually
`tmux-resurrect-restore`	Restore session manually

Window Management

`Ctrl-b c`	Create new window
`Ctrl-b ,`	Rename current window
`Ctrl-b w`	List and switch windows
`Ctrl-b n`	Next window
`Ctrl-b p`	Previous window
`Ctrl-b &`	Kill current window
`Ctrl-b 0-9`	Switch to window by number
`Ctrl-b l`	Switch to last window

Pane Management

`Ctrl-b %`	Split window vertically
`Ctrl-b "`	Split window horizontally
`Ctrl-b o`	Switch to next pane
`Ctrl-b ;`	Switch to last pane
`Ctrl-b x`	Kill current pane
`Ctrl-b {`	Move pane left
`Ctrl-b }`	Move pane right
`Ctrl-b z`	Toggle pane zoom
`Ctrl-b Space`	Toggle pane layouts
`Ctrl-b Arrow`	Resize pane

Copy Mode

`Ctrl-b [`	Enter copy mode
`q`	Exit copy mode
`Space`	Start selection
`Enter`	Copy selection
`Ctrl-b ]`	Paste
`v`	Begin selection (vi mode)
`y`	Copy selection (vi mode)
`C-u`	Page up
`C-d`	Page down

Advanced

`Ctrl-b q`	Show pane numbers
`Ctrl-b !`	Break pane to window
`Ctrl-b f`	Find window by name
`Ctrl-b .`	Move window
`Ctrl-b (`	Previous session
`Ctrl-b )`	Next session

ASTROVIM

Basic Navigation

`h j k l`	Move left/down/up/right
`w b e`	Next/previous/end word
`W B E`	Next/previous/end WORD
`0 ^ $`	Start/first-char/end of line
`gg G`	Top/bottom of file
`Ctrl-u Ctrl-d`	Page up/down
`Ctrl-o Ctrl-i`	Jump back/forward
`f F t T`	Find/to character forward/back
`% zz zt zb`	Match bracket/center/top/bottom

File Operations

`<leader>ff`	Find files
`<leader>fw`	Find word
`<leader>fW`	Find word under cursor
`<leader>fb`	Find buffers
`<leader>fh`	Find help
`<leader>fm`	Find marks
`<leader>fo`	Find old files
`<leader>fc`	Find commands
`<leader>fk`	Find keymaps
`<leader>ft`	Find todos
`<leader>fr`	Find registers
`<leader>fz`	Find in current buffer

Terminal

`<leader>tf`	Toggle float terminal
`<leader>th`	Toggle horizontal terminal
`<leader>tv`	Toggle vertical terminal
`<leader>tt`	Toggle terminal
`<C-\>`	Quick terminal
`Ctrl-h j k l`	Navigate terminal/editor

Buffer Management

`<leader>c`	Close buffer
`<leader>C`	Force close buffer
`]b [b`	Next/previous buffer
`<leader>b`	Buffer picker
`<leader>|`	Vertical split
`<leader>\`	Horizontal split
`<leader>bp`	Pin buffer
`<leader>bP`	Close non-pinned buffers
`<leader>bd`	Close buffer & window

LSP Features

`gd`	Go to definition
`gD`	Go to declaration
`gr`	Go to references
`gi`	Go to implementation
`gt`	Go to type definition
`K`	Hover documentation
`<leader>ld`	Diagnostics
`<leader>la`	Code actions
`<leader>lr`	Rename
`<leader>lf`	Format
`<leader>lS`	Symbol outline
`<leader>lR`	LSP restart
`gl`	Line diagnostics
`]d [d`	Next/previous diagnostic

Git Integration

`<leader>gg`	Lazygit
`<leader>gt`	Git terminal
`<leader>gc`	Git commits
`<leader>gs`	Git status
`<leader>gb`	Git branches
`]g [g`	Next/previous git hunk
`<leader>gh`	Git hunk preview
`<leader>gH`	Git hunk reset
`<leader>gS`	Git stage hunk
`<leader>gU`	Git unstage hunk

Neo-tree

`<leader>e`	Toggle file explorer
`<leader>o`	Focus file explorer
`a`	Add file/directory
`d`	Delete
`r`	Rename
`c`	Copy
`x`	Cut
`p`	Paste
`y`	Copy name
`Y`	Copy path
`s`	Open in split
`S`	Open in vsplit
`t`	Open in tab
`m`	Move
`R`	Refresh
`?`	Show help

Sessions & UI

`<leader>Sl`	Load session
`<leader>Ss`	Save session
`<leader>Sd`	Delete session
`<leader>Sf`	Find session
`<leader>u`	Toggle UI elements
`<leader>un`	Toggle line numbers
`<leader>us`	Toggle spellcheck
`<leader>uw`	Toggle word wrap
`<leader>uz`	Toggle zen mode

GIT

Branching

`git branch`	List branches
`git branch <name>`	Create branch
`git checkout <branch>`	Switch branch
`git checkout -b <name>`	Create and switch branch
`git switch <branch>`	Switch branch (modern)
`git switch -c <name>`	Create and switch (modern)
`git merge <branch>`	Merge branch
`git branch -d <name>`	Delete branch

History and Inspection

`git log`	Show commit history
`git log --oneline`	Compact log
`git log --graph`	Graph log
`git show <commit>`	Show commit details
`git diff`	Show unstaged changes
`git diff --staged`	Show staged changes
`git diff <commit>`	Compare with commit
`git blame <file>`	Show line authors

Stashing

`git stash`	Stash current changes
`git stash pop`	Apply and remove stash
`git stash list`	List stashes
`git stash apply`	Apply stash
`git stash drop`	Delete stash
`git stash -m`	Stash with message

Undoing Changes

`git reset <file>`	Unstage file
`git reset --hard`	Reset to last commit
`git revert <commit>`	Revert commit
`git checkout -- <file>`	Discard file changes
`git clean -fd`	Remove untracked files

TERMINAL

Text Processing

`cat <file>`	Display file content
`less <file>`	View file paginated
`head -n <file>`	First n lines
`tail -f <file>`	Follow file changes
`grep <pattern> <file>`	Search in file
`sed 's/old/new/g'`	Replace text
`awk '{print $1}'`	Extract columns
`sort <file>`	Sort lines
`uniq`	Remove duplicates

Process Management

`ps aux`	List all processes
`top`	Real-time process monitor
`htop`	Enhanced process monitor
`kill <pid>`	Kill process by ID
`killall <name>`	Kill by process name
`jobs`	List background jobs
`bg`	Send job to background
`fg`	Bring job to foreground
`nohup <cmd> &`	Run command detached

System Information

`df -h`	Disk space usage
`du -sh <dir>`	Directory size
`free -h`	Memory usage
`uname -a`	System information
`lscpu`	CPU information
`lsblk`	Block devices
`ip addr`	Network interfaces
`ss -tuln`	Network connections

VIM MOTIONS

Basic Movement

`h j k l`	Left/down/up/right
`w W`	Next word/WORD
`b B`	Previous word/WORD
`e E`	End of word/WORD
`0 ^`	Start of line/first non-blank
`$`	End of line
`gg G`	First/last line
`H M L`	Top/middle/bottom of screen

Text Objects

`iw aw`	Inner/a word
`is as`	Inner/a sentence
`ip ap`	Inner/a paragraph
`i( a(`	Inner/a parentheses
`i[ a[`	Inner/a brackets
`i{ a{`	Inner/a braces
`i" a"`	Inner/a quotes
`it at`	Inner/a tag

Editing

`i a`	Insert before/after cursor
`I A`	Insert at start/end of line
`o O`	New line below/above
`r R`	Replace char/enter replace mode
`s S`	Substitute char/line
`c<motion>`	Change motion
`d<motion>`	Delete motion
`y<motion>`	Yank motion
`p P`	Paste after/before

Visual Mode

`v`	Character visual mode
`V`	Line visual mode
`Ctrl-v`	Block visual mode
`gv`	Reselect last visual
`o`	Move to other end of selection

Search and Replace

`/pattern`	Search forward
`?pattern`	Search backward
`n N`	Next/previous match
`*`	Search word under cursor
`:s/old/new/g`	Replace in line
`:%s/old/new/g`	Replace in file
`:noh`	Clear search highlight