

Devices and Tech

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Galaxy S3 Tab

Galaxy Tab S3 is a 10 inch (9.7") tablet released in 2017.

Installing TWRP

1. To install TWRP on the device it's best to use [this chap's release](https://forum.xda-developers.com/t/recovery-unofficial-sm-t820-sm-t825-2021-11-30-twrp-3-6-0_9-0-for-galaxy-tab-s3.4303163/) and install via Heimdall: 2. ``apt-get install heimdall-flash`` 3. Once you have the files ready to go, put the tablet into download mode with Power + Vol Down + Home (hold for 10 seconds). 4. ````` heimdall flash --RECOVERY ./Downloads/twrp-3.6.0_9-0-gts3lwifi.img --no-reboot`

```

5. It's important to now reboot straight into recovery so that the old recovery partition is not recovered - Power + Vol Up + Home
6. Swipe to install TWRP

### ## LineageOS

- Use LineageOS 19 [this release](<https://forum.xda-developers.com/t/rom-unofficial-12l-eas-sm-t820-sm-t825-2022-07-15-lineageos-19-1-for-galaxy-tab-s3.4418855/>) is most stable - Using [NikGApps](<https://nikgapps.com/downloads#downloads>) 12.1 (SL) - From TWRP install the zip files.

# NeoVim

NeoVim is a new super configurable version of the VIM editor.

I've been learning to configure and customise it for my own use. I used the following tutorials:

- <https://scribe.citizen4.eu/geekculture/neovim-configuration-for-beginners-b2116dbbde84>

I also really like these plugins:

## Powerline

Lualine adds a status bar at the bottom of VIM that shows you what's going on - its pretty neat. You need to install [powerline fonts](#) on the system. On Debian-based systems you can run `apt-get install fonts-powerline`

- <https://github.com/nvim-lualine/lualine.nvim> (you also need [powerline fonts](#) for this)

# Online Reading and Feeds

## RSS

I use [FreshRSS](#) to manage my feeds for me and the associated Android client for on the go. On the desktop I use [NewsFlash](#) reader which can also subscribe to FreshRSS

## Read it Later App

I use Wallabag to store articles I want to read later and the accompanying android app for on the go. I use [Read it Later](#) for Wallabag stuff on desktop and [the Firefox plugin](#) for quickly adding things to my to read list.

# Firefox on Ubuntu 22.04 Non Snap

In the latest Ubuntu they made Firefox a snap instead of just installing via deb. [This walkthru](#) tells you how to undo it.

In summary:

```
sudo snap remove firefox

sudo add-apt-repository ppa:mozillateam/ppa

echo '
Package: *
Pin: release o=LP-PPA-mozillateam
Pin-Priority: 1001
' | sudo tee /etc/apt/preferences.d/mozilla-firefox

echo 'Unattended-Upgrade::Allowed-Origins:: "LP-PPA-mozillateam:${distro_codename}";' | sudo
tee /etc/apt/apt.conf.d/51unattended-upgrades-firefox

sudo apt install firefox
```

# Hugo Static Site Generation

I use Hugo to maintain most of my websites.

## Extended Edition

Hugo has an extended version which includes hooks for building SASS. [Hugo recommend using snaps to manage and install versions of their tool](#) rather than relying on debian packages since these can often be out of date.

# Zellij

- [Zellij](#) is a Golang terminal workspace + multiplexer - its a bit like tmux on steroids
- Featured in charm interview <https://www.youtube.com/watch?v=mnop9LCUdtJw>

# Dell XPS 13 9305

I had one as my daily driver at work from late 2020 to late 2023. I was so pleased with it I bought one for home/personal use too. Dell [no longer make this laptop](#).



## Managing and Limiting Battery

I used [dell-charge-limit](#) to automatically stop charging at 80% and preserve battery life



# LaTeX

LaTeX is a powerful typesetting system that renders books and has specific markup for mathematics

# Angle Brackets (Greater Than, Less Than) show as upside down question and exclamation marks

This is an issue when  $\langle \rangle$  render incorrectly, it can look very weird.

## Check your encoding

According to [this post](#) ([mirror](#)), it could be as simple as not using the correct encoding and can be remedied with the correct package being included in the document:

```
\usepackage[T1]{fontenc}
```