

# Programming: GNU/Linux Development and Custom Android ROMs

By *Roy Schestowitz*

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Recently, while experimenting with GTK and its Ruby bindings, I decided to write a tutorial introducing this functionality. In this post, we will create a simple ToDo application (something like what we created with Ruby on Rails) using the gtk3 gem (a.k.a. the GTK+ Ruby bindings).

- [C# developer, Linux two of the fastest-growing search terms for Canadian tech job seekers](#) [6]

A new report from Indeed Canada shows the fastest-growing search terms for tech job seekers

in Canada.



### [The pain of installing custom ROMs on Android phones](#) [7]

A while back I bought a Nexus 5x. During a three-day ordeal I finally got Omnirom installed - with full disk encryption, root access and some stitched together fake Google Play code that allowed me to run Signal without actually letting Google into my computer.

A short while later, Open Whisper Systems released a version of Signal that uses Web Sockets when Google Play services is not installed (and allows for installation via a web page without the need for the Google Play store). Dang. Should have waited.

Now, post Meltdown/Spectre, I worked up the courage to go through this process again. In the comments of my Omnirom post, I received a few suggestions about not really needing root. Hm - why didn't I think of that? Who needs root anyway? Combining root with full disk encryption was the real pain point in my previous install, so perhaps I can make things much easier. Also, not needing any of the fake Google software would be a definite plus.

This time around I decided to go with LineageOS since it seems to be the most mainstream of the custom ROMs. I found perfectly reasonable sounding instructions.

## [Android Development GNU Linux](#)

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**Source URL:** <http://www.tuxmachines.org/node/111263>

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[5] <https://opensource.com/article/18/4/creating-linux-desktop-application-ruby>

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