

# LKMP final report – Sergio González Collado

In 2024 I participated in the [Linux Kernel Mentorship Program](#), as a way to improve my knowledge about the Linux Kernel, my profile can be found [here](#)

Some references that I used from people that had previously participated on the LKMP or have published interesting info for the program:

- [Javier Carrasco Cruz](#)
- [Ricardo B. Marliere](#)
- [Andrew Kanner](#)

Other useful references were:

- [Linux Kernel Mentorship: Linux Kernel debugging Tricks of the Trade](#)
- [Kernel Recipes 2019 - Hunting and fixing bugs all over the Linux kernel](#)
- [submitting your first patch to the linux kernel and responding to feedback](#)
- [My patch review workflow](#)

I contributed in two areas: backporting and translations.

## Backporting

For backporting, I took advantage that in [syskaller](#), the [backport](#) list was introduced. I asked the people from syskaller for pointers to attempt their backports, and they answered me [here](#).

As references to do the backports I used:

1. <https://www.kernel.org/doc/html/next/process/backporting.html#submitting-backports-to-stable>
2. <https://www.kernel.org/doc/html/next/process/backporting.html>
3. <https://www.kernel.org/doc/html/latest/process/stable-kernel-rules.html>

The backports I submitted and were accepted in the linux stable 6.1.y were:

- <https://lore.kernel.org/stable/2024072519-among-surrogate-8c18@gregkh/T/#t>
- <https://lore.kernel.org/stable/20240725133559.151607-1-sergio.collado@gmail.com/T/#u>
- <https://lore.kernel.org/stable/20240725143111.222429-1-sergio.collado@gmail.com/T/#u>

## Translations

For the translations I started to translate the documentation related to the scheduler to spanish. The main reason is to gain knowledge into the kernel scheduler. I assumed that doing a contribution here was quite challenging while doing a translation would help me to build knowledge in the system.

The translations that I submitted and were accepted are:

- <https://lore.kernel.org/linux-doc/20240707195047.14359-1-sergio.collado@gmail.com/T/#u>
- <https://lore.kernel.org/linux-doc/20240810111513.20049-1-sergio.collado@gmail.com/T/#u>
- <https://lore.kernel.org/linux-doc/874j5niz5n.fsf@treno.lwn.net/T/#t>

## Other patches

I also send with this kunit test: <https://lore.kernel.org/rust-for-linux/20241117195923.222145-1-sergio.collado@gmail.com/T/#u> but it wasn't accepted yet.

With regard to the translations, I would like to complete the translation to spanish of all the documents related to the scheduler.

## Main takeaways

I would mention a deeper understanding of the kernel development cycle, and realizing it is not so difficult as it seemed previously. So I gained confidence for keep contributing further.

## Future plans

I would like continue contributing, at least in this two repositories:

- [btrfs-todo](#)
- [rust for linux issues](#)