

# Soc Virnyl S. Estela

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I am aiming to become a software developer and engineer to gain professional experience in order to actively contribute to the open source ecosystem. I want to build relationships between technology and people. I want to bridge the gap between users and software.

## Technologies

• Python	● ● ● ● ●
• Rust	● ● ● ● ●
• SQL	● ● ● ● ●
• Julia	● ● ● ● ●
• Crystal	● ● ● ● ●
• Git	● ● ● ● ●
• RPM Spec	● ● ● ● ●
• Typst	● ● ● ● ●
• VSCode	● ● ● ● ●
• Neovim	● ● ● ● ●
• Vim	● ● ● ● ●

## Open Source Experience

### Packaging

*openSUSE*

📅 Jul 2022 – Present 🐉 [openSUSE](#)

I am a maintainer for various openSUSE packages for Zig, Julia, Juliaup, Wezterm, Zola, Zellij, Helix and 20+ more packages.

- Familiarity with using [osc](#).
- Learned RPM with the mentorship of [William Brown](#) from SUSE.

### Rust Rewrite of OBS Service Cargo Vendor

*openSUSE*

📅 Aug 2023 – Present 🌐 [GitHub](#)

OBS Service Cargo Vendor vendors all crates and dependencies for Rust projects locally, used for packaging Rust software in openSUSE.

- Rewrote from Python to [Rust](#), enabling better error handling and improving performance.
- The latest Rust code is now used as the primary tool for 300+ Rust packages in openSUSE.

## Interests

- Writing about technology.
- Adding new software to my favorite Linux distribution, openSUSE.
- Giving back to open-source software.
- Teaching people about open source software.
- Learning fingerstyle guitar during my free time.
- Reading web comics.

## Personal Projects

### Hyperskill

📅 Jun 2020 – Jan 2021 🌐 [GitHub](#)

A repo of all my old Python puzzle solutions, and projects during [JetBrains](#) and [Hyperskill](#)'s open beta test for their code learning platform. This allowed me to learn Python libraries such as [Django](#), [SQLAlchemy](#) and of course, some of Python's standard libraries such as [argparse](#) and [itertools](#).

### Rypper

📅 Jul 2022 – Present 🌐 [Codeberg](#)

An alternative package manager for openSUSE written in Rust. Currently, it is able to read repometadata files in XML format, and repoconfig files in INI format. This is checked through several unit tests for validity or invalidity. However, the project is paused in hopes to contribute first to [rpmrepo\\_metadata](#) and [rpm-rs](#).

### Hare bindings for Libnotify

📅 Nov 2022 🌐 [SourceHut](#)

Experimented with [Harelang](#) bindings and libnotify. The project is now considered ready for usage as it contains a clone also for the notify-send tool.

### Otap

📅 July 2023 🌐 [Codeberg](#)

A client library written in Rust for [OpenBuildService](#). Currently a work in progress.

## Education

### Higher

*Mindanao State University - Iligan Institute of Technology*

📅 Aug 2018 - Jul 2022 📍 Mindanao, Philippines

**Cum Laude.** B.Sc. in Biology, Major in Microbiology, S.Y. 2018-2022.

## References

- William Brown, Security Engineer @ SUSE, known as [firstyear](#) on GitHub.
- Angelo Fallaria, a passionate Go software engineer, known as [angelofallars](#) on GitHub.