

Soc Virnyl Estela

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I am aiming to become a software engineer in order to actively contribute to the open source ecosystem.

Open Source Experience

Packaging

openSUSE

📅 Jul 2022 – Present

📍 [openSUSE](#)

- Maintainer of the openSUSE packages for Zig, Julia, Juliaup, Wezterm, Zola, Zellij, Helix and 70+ more packages.
- 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.

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

Documenter.jl

- Implemented initial Codeberg CI/Woodpecker CI support for [Documenter.jl](#) in PR [#1880](#) to generate Julia project documentations for users that use Codeberg CI and Woodpecker CI.
- Added support for Woodpecker versions 1.x and 2.x is introduced in PR [#2339](#).
- The goal of this support is to allow less boilerplate when deploying Julia package documentation using Woodpecker as the CI of choice.

Work Experience

College Instructor

Misamis University

📅 Aug 2022 - Present

📍 Mindanao, Philippines

Teaching and instructing 120+ students in the fields of biology and chemistry.

Technologies

Languages

Rust, Julia, Python, Bash, HTML/CSS

Tools

Git, SSH, Linux, RPM, Podman, Docker

Personal Projects

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](#).

qoi.cr

📅 Jul 2023

📍 [GitHub](#)

Built a [Crystal](#) library that provides an implementation of the [Quite OK Image Format](#). The project's intention is for me to explore Crystal. The library contains the necessary constructs but still lacks the methods for decoding and encoding.

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.

Education

Higher

Mindanao State University - Iligan Institute of Technology

📅 Aug 2018 - Jul 2022

📍 Mindanao, Philippines

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