




# Soc Virnyl Estela

## Software Developer | Rust • Go • Python • TypeScript • AWS • GCP

Building high-performance services and developer tooling in **Rust** and **Go**. Experienced in developing backend systems in **Python**, **JavaScript**, and **TypeScript**. **Open-source contributor and maintainer** focused on *performance*, *automation*, and *reproducible systems*.

✉ [contact@uncomfyhalomacro.pl](mailto:contact@uncomfyhalomacro.pl)  [github.com/uncomfyhalomacro](https://github.com/uncomfyhalomacro)  [linkedin.com/in/socvirnylestela](https://www.linkedin.com/in/socvirnylestela)  [uncomfyhalomacro.pl](mailto:uncomfyhalomacro.pl)

### Languages

Rust, Go, Python, TypeScript, Julia, Bash

### Backend & Data

PostgreSQL, Redis, FastAPI, Node.js, ExpressJS, Hono, Deno, SQLite

### Cloud & DevOps

AWS, GCP, Docker, CI/CD, GitHub Actions, Linux

### Frontend

React, Redux Toolkit, Vite, NextJS, HTML, CSS, JavaScript, TypeScript

### Documentation & Text Processing

Markdown, Typst, DOC and DOCX compatible text processors such as MSWord and Google Docs

## Systems Engineering & Open Source

**Contributor, Member & Packager**  2021 - present  
openSUSE Project

 <https://opensuse.org>

- **Developed [OBS Service Cargo](#)**, the primary automation tool for Rust software packaging on the openSUSE Build Service, maintaining **100% test coverage** to ensure reliable and reproducible package builds for maintainers.
- **Engineered [Roast](#)**, a systems-level archiving utility in Rust that achieved a **70% increase in performance** and enabled deterministic builds, improving build reproducibility for downstream package maintainers.
- **Managed the lifecycle of 100+ software packages** for the openSUSE distribution, ensuring timely updates, security patches, and a stable development environment for the open-source ecosystem.

**Organization Admin**  2022 - 2025

Waycrate

 <https://waycrate.github.io>

- **Directed community** as a Mentor Organization for **Google Summer of Code (GSoC) 2024 and 2025**.
- **Onboarded contributors**, scaling technical output and fostering open-source best practices.

**Core Developer**  July 2025

[Bunny](#) (Hackathon Winner)

- **Awarded 1st place** in the Boot.dev 2025 Hackathon for building a systems-level markdown parser and SSG in the **Hare** programming language.


### Selected Upstream Open Source Contributions

- **[cargo-vendor-filterer](#)**: Expanded CLI functionality by adding features and no-default-features support for Rust dependency filtering.
- **[Documenter.jl](#)**: Integrated **Woodpecker CI** support into the Julia documentation ecosystem, improving automation for thousands of projects.

## Professional Experience

**Software Developer**  October 2025 - January 2026

Block Liquidity

 United Kingdom

 <https://blockliquidity.xyz>

**Tech Stack:** *Rust, Go, Python, AWS, PostgreSQL, Redis, CI/CD*

- **Processed 1,000+ data streams/sec** by architecting high-performance Rust services powering real-time notifications so users receive timely alerts.
- **Reduced PostgreSQL query latency from minutes to milliseconds** through query rewrites and indexing, enabling real-time data access for users.
- **Improved API response times by 80%** by building a Rust alerts API with optimized serialization, delivering faster updates to users.
- **Eliminated high-concurrency bottlenecks** by optimizing asynchronous operations in a FastAPI backend, improving reliability during peak user traffic.

**Technical Content Developer**  Mar 2024 - June 2025  
TRIBE

 Singapore

 <https://tribex.co>

- **Scaled learners from 300 → 1,000+** on [StackUp](#) by building advanced backend and systems learning pathways.
- **Architected the [Rust Pathway](#)**, teaching memory management, safety, and concurrency for real-world systems programming.
- **Authored high-traffic backend modules** for [Hono & Deno](#) and [ExpressJS](#), helping developers learn authentication and scalable API design.

**College Instructor**  Aug 2022 - Feb 2024

Misamis University

 Ozamiz City

## Education & Certification

**BSc. in Biology (Microbiology)**  2018 - 2022

Mindanao State University - IIT

 Iligan City

- **Academic Distinction:** *Cum Laude* (GPA **1.593**)
- **Thesis:** Engineered a stochastic simulation to predict COVID-19 progression using **Agent-Based Modeling (Agents.jl)** in **Julia**.

**Backend Development Certification**  2025 - 2026

[Boot.dev](#)

- Completed professional development in Go, Data Structures, Algorithms, and Cloud Infrastructure.

**Highschool Diploma**  2012 - 2018

Philippine Science Highschool