



Michael C. Baterna

Self-Taught Software Developer | Recent High School Graduate

✉ micheal02052007@gmail.com ✓ portfolio-six-kappa-61.vercel.app 🐙 github.com/ALinuxPerson
🌐 linkedin.com/in/michael-baterna-142379315

EDUCATION

Senior High School - STEM Strand

Far Eastern University - Cavite | Graduated June 2025

Currently taking a gap year to focus on software development and job opportunities

TECHNICAL SKILLS

Proficient Languages

Rust (4+ years) Python

Familiar/Working Knowledge

TypeScript/JavaScript C (FFI/Interop) HTML5/CSS Java

Basic Knowledge

Bash Go SQL

Frameworks & Tools

Tokio Axum gRPC Next.js Tauri Docker

Development Tools

Git/GitHub RustRover Neovim VS Code SQLite

Platforms

Linux Windows macOS Cross-Platform

OPEN SOURCE

build_script - Wrapper for build.rs instructions

try-drop - Error handling mechanisms for fallible drops

hv_sock - Cross-platform Hyper-V sockets API

mcsoft-auth - Minecraft authentication with the Microsoft authentication scheme

CORE VALUES

Logic & Analysis

Strong drive to understand systems from fundamental concepts to complex implementations.

Continuous Learning

Insatiable curiosity for emerging technologies and new programming paradigms.

Future-Focused Vision

Passionate about combining systems programming with robotics and AI technologies.

PROFESSIONAL SUMMARY

Self-taught software developer with 4+ years of Rust and Python programming experience, demonstrated through open-source contributions and practical projects. Strong analytical mindset with a drive to understand technology from fundamental concepts to complex implementations. Passionate about systems programming, cross-platform development, and exploring emerging technologies including robotics, AI, and embedded systems.

Key Achievements

- Published multiple Rust crates with **45,000+ total downloads**
- Developed cross-platform applications for Linux, Windows, and macOS
- Built substantial portfolio as a self-taught developer

KEY PROJECTS

Flightless SMC

Rust • Docker • Server Management

A Dockerized Minecraft server management system.

Built a robust distributed system using asynchronous Rust with gRPC over Unix domain sockets. Features complex Docker, Discord, and SQLite integrations alongside low-level Minecraft protocol handling with encryption and compression.

Raphy

Rust • Tauri • TypeScript

Cross-platform Java server process manager.

Cross-platform client-server application with robust IPC, asynchronous programming, and external process management. Built with Tauri/React frontend, custom binary protocols, and mDNS service discovery.

oom-notifier

Python • Linux • System Monitoring

Monitor Out of Memory scores and send notifications.

Direct Linux /proc filesystem interface for real-time OOM score monitoring. Implements daemonization, process priority management, and configurable D-Bus notifications with fallback to wall command.

CAREER OBJECTIVES

Seeking an entry-level junior developer role to contribute to impactful projects and learn from experienced developers in a collaborative environment.