

Murphy Malcolm

murphyjmalcolm@gmail.com • Ann Arbor, MI • www.murph.rip

SUMMARY

Software Engineer with expertise in full-stack development, DevSecOps, and embedded development. Skilled in Python, Rust, C, and CI/CD automation. Strong systems thinker who excels at architectural planning, identifying integration points across complex projects, and driving solutions from concept to deployment.

EDUCATION

University of Michigan

Ann Arbor, MI

Computer Science, B.S

September 2025 - Current

- Tutored numerous students in introductory programming courses & version control.
- Identified & reported 5+ security vulnerabilities in autograding build environments.
- Leveraging prior industry experience to provide real-world context in academic team projects.

Grand Rapids Community College

Grand Rapids, MI

Computer Support Specialist, A.A.A.S.

January 2022 - April 2025

GPA: 3.90 / 4.00

- Tutored numerous courses in programming & system administration.
- Delivered volunteer lectures on technical coursework to high school students.

Kent Career Technical Center - Advanced IT, Networking, & Cybersecurity

Grand Rapids, MI

Career & Technical Education (CTE)

August 2021 - June 2023

GPA: 4.00 / 4.00

- Coursework in IT HelpDesk, networking, domain administration, & system deployments.
- Earned professional certifications: ITF+, Network+, & Python Specialist (Among others).
- Served as a mentor and resource for dozens of first-year students.

WORK EXPERIENCE

Prism Controls

Lowell, MI

Software & Platform Engineer

June 2022 - Current

- Led a team of 2 junior developers in rewriting the front-end & back-end of our Responsive Egg Flow product.
- Delivered product demonstrations to customers, translating technical capabilities into business value and gathering feedback for feature development.
- Standardized Git workflows, coding standards, and CI/CD architecture across the engineering team.
- Built configuration and package management infrastructure across 5+ projects with automated security analysis, saving 100+ hours in deployment and troubleshooting.
- Led recruitment and technical interviews for the NPD team, successfully hiring 5 engineers.

Kent Career Technical Center

Grand Rapids, MI

IT HelpDesk

August 2022 - June 2023

- Handled the majority of high complexity tickets from students & staff while maintaining high user satisfaction.
- Troubleshooted complex educational network infrastructure while minimizing downtime & improving performance.

Self-Employed Consultant

Grand Rapids, MI

Freelance Software & IT Consultant

March 2015 - July 2023

- Delivered medium to large-scale coding projects, including web development, home automation, and IoT monitors.
- Developed CLI utilities, web scrapers, full-stack project templates, and stress testing utilities.
- Implemented secure network segmentation for IoT devices to enhance data privacy and limit telemetry exposure.

SKILLS

Programming Languages: Python, Rust, Go, JavaScript/TypeScript (React, Next.js), C, C++, C#

Infrastructure: Networking, cybersecurity, Azure, Git (VCS), Linux, CI/CD, Ansible, Terraform

Principles: Object-oriented programming & design (OOP/OOD), RESTful APIs, SOLID, KISS

Other: Research, data analysis, configuration management, system administration, technical documentation