Murphy Malcolm

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SUMMARY

Dynamic Software Engineer equipped with innovative solutions for multi-faceted projects in Full-Stack Development, Networking, Cybersecurity, and System Administration. Highly experienced in DevSecOps practices, embedded Linux development, and system optimization. Exceptional problem-solving skills and the ability to lead and collaborate with diverse teams to achieve strategic goals and deliver impactful results.

EDUCATION

Grand Rapids Community College   **Grand Rapids, MI**
Computer Support Specialist A.A.A.S.   *January 2022 - April 2024*
GPA: 3.90 / 4.00
- Completed coursework in Python, JavaScript/HTML, Linux, Networking, & Cybersecurity.
- 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)
GPA: 4.00 / 4.00   *August 2021 - June 2023*
- 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 & DevOps Engineer   *June 2022- Current*
- Developed configuration management solutions for a beta product line, Eggsight, saving over 100 hours in deployment, administration, support, and troubleshooting.
- Created data export, telemetry, and analysis tools that enabled customers to track their data points more closely.
- Introduced package management to 5+ projects, significantly improving CI/CD efficiency and consistency.
- Standardized code & security analysis into the New Product Development team's workflow & CI/CD pipelines.
- Led recruitment presentations and actively sourced top talent for production and DevOps teams, resulting in the successful hiring of 5 candidates.

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**
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, Vue), C#, C.
Infrastructure: Networking, Cybersecurity, Secret Management, Azure, Git (VCS), Linux, CI/CD.
Principles: Object-Oriented Programming & Design (OOP/OOD), RESTful APIs, SOLID, KISS.
Other: Research, Data Analysis, Configuration Management, System Administration.

ACTIVITIES & MISC WORK

HackerOne Bug Bounty Program   *June 2021 - Current*
City of Lowell, MI, Volunteer Community Giveback   *June 2023*