

# JOSHUA GAWEDA

## TECHNICAL PROGRAM MANAGER

303.910.3921 | Vancouver, WA | josh@gaweda.io | www.linkedin.com/in/joshuagaweda/

Technical Program Manager specializing in embedded systems and wireless firmware development. Expert in leading Agile/Scrum projects to drive innovation and reduce support costs. Proficient in C/C++ and Python, with a proven ability to solve complex problems and enhance product performance. Recognized for strategic collaboration with industry leaders such as Apple and Realtek. Skilled in leveraging data-driven insights to optimize processes, streamline operations, and deliver impactful results across cross-functional teams.

### SKILLS

- ✓ C/C++
- ✓ Python
- ✓ Bash/Shell Scripting
- ✓ Linux Systems
- ✓ Yocto/Bitbake
- ✓ REST APIs
- ✓ Containerization (Docker)
- ✓ Container Orchestration
- ✓ CI/CD Pipelines
- ✓ Cloud Computing
- ✓ System & Test Automation
- ✓ Troubleshooting
- ✓ Debugging Tools
- ✓ Hardware/Software Integration
- ✓ Agile/Scrum

### PROFESSIONAL EXPERIENCE

#### HP Inc. | Vancouver, WA

06/2019-Present

HP is an American multinational IT company out of Palo Alto, CA that develops PCs, printers, and related supplies as well as 3D printed services.

#### Technical Program Manager, Wireless & Connectivity Firmware

- Leading Agile/Scrum ceremonies with JIRA, fostering improved project transparency, effective task management, and collaborative decision-making.
- Developing NAN technology for home printers using C/C++ and Python in a Linux environment, frequently collaborating with engineers from Apple and Realtek.
- Creating and maintaining Yocto recipes for customized embedded Linux distributions, optimizing build processes across multiple hardware platforms, and demonstrating proficiency with Make and CMake.
- Leveraged data analytics to streamline connectivity troubleshooting for home printers, enhancing user accessibility and efficiency, and projected to reduce customer support calls by 30%, saving HP around \$500k annually.

#### Software Firmware Engineer, Wireless & Connectivity Solutions

- Developed cloud data fields for home printer telemetry, enabling data-driven decision-making for future business goals.
- Created core functionalities for cloud UI services and printer UI shortcuts, including a ticket management system with RESTful services.
- Engineered a remote "printer farm" that enabled development and testing of HP's C++ codebase across global teams during COVID lockdowns.
- Automated Wi-Fi Alliance certification testing, integrating multiple devices and OSs with custom scripts.
- Led the development and implementation of logging functionality in HP's ThreadX codebase for printers.
- Prototyped and developed IoT and embedded systems projects using Raspberry Pi platforms.
- Possessed strong familiarity with networking protocols, including DNS, TCP/IP, HTTP/HTTPS, FTP, SSH, Telnet, Bluetooth LE, and 802.11x.
- Experienced in DevOps practices (CI/CD, Cloud Computing, Microservices).
- Demonstrated proficiency in C/C++ and Python programming.

#### NinjaTrader LLC | Denver, CO

06/2017 - 06/2019

NinjaTrader LLC is a financial technology company that provides trading software and brokerage services for futures, forex, and stock markets.

#### Scripting Support Engineer

- Provided comprehensive guidance in creating personalized charting indicators and automated trading systems for commodities and stocks using C#.
- Assisted clients in troubleshooting and resolving complex issues related to scripting and system performance.
- Documented common technical issues and created tutorials, contributing to an internal knowledge base and empowering clients with best practices.
- Hosted regular webinars to educate clients on creating custom scripts, empowering them to personalize their trading strategies and optimize their trading systems.

### ADDITIONAL EXPERIENCE

Bar Manager | World of Beer, Morgans Chophouse  
Infantry | U.S. Army, 82nd ABN, 4th BCT, 2/508th PIR, B Co.

### EDUCATION

Bachelor of Science (BS), Computer Science | Western Governors University

### CERTIFICATIONS

ITIL Foundation v4 (2021) | CompTIA Project+ (2020) | CIW Site Development Associate (2020) | PC Support Technician (2017)

### PERSONAL DEVELOPMENT

*Home Lab Projects: Developed and manage a personal home lab to explore advanced technologies including AWS, Docker, Kubernetes, and advanced networking configurations. Enhanced skills in cloud computing, automation, and system administration.*

**Skills Practiced:** Apache, Application & System Hardening, Automation, AWS(EC2/S3), Bash, CI/CD, Cloud Configuration, Containerization, Docker, Golang, HTML/CSS, Identity & Access Management, Kubernetes, Linux, Load Balancing, Mac OSX, Network management, Networking, Nginx, Python, Server Administration, SQL, System Administration, Virtualization, Web Servers, Windows.