Maxwell C Renke

Monroe, WA 98272 | (603) 759-1624 | maxrenke@gmail.com | www.maxrenke.com

SUMMARY OF QUALIFICATIONS

- **Offensive Security Professional** dedicated to helping teams build and ship secure products through comprehensive design audits, manual source code review, and systematic vulnerability discovery
- **Technical Program Manager** who bridges the gap between complex security findings and business impact, translating critical vulnerabilities into actionable risk assessments for leadership
- **Strategic Systems Analyst** with a holistic methodology for dissecting complex security problems, evaluating cross-functional impacts and dependencies to develop effective solutions that strengthen overall system resilience rather than isolated fixes
- **Hands-on Security Leader** who excels in ambiguous environments, working directly with engineers on technical remediation while driving strategic security program outcomes
- **Detail-oriented Problem Solver** committed to deep technical involvement in security assessments while maintaining program-level visibility and stakeholder communication

EXPERIENCE

Microsoft

Security Assurance Program Manager II, MORSE   December 2021 – May 2025

- Led offensive security initiatives as a core member of the MORSE (Microsoft Offensive Research and Security Engineering) team, fortifying Microsoft's platform security through rigorous secure code reviews and proactive security engineering across several vital services protecting over $245 billion in annual revenue.
- Architected robust security frameworks for Azure Confidential Computing within Microsoft's $130 billion Microsoft Cloud ecosystem by both defining security promises and validating implementations for Confidential VMs, playing a pivotal role in delivering Microsoft's industry-leading confidential computing guarantees relied upon by enterprise customers.
- Produced executive-ready risk assessments by distilling complex offensive security findings into quantified business impact analyses, empowering C-suite leaders to make informed, strategic decisions on major security investments protecting Microsoft's $35 billion quarterly Cloud revenue.
- Orchestrated security alignment across diverse engineering teams with competing priorities, consistently ensuring the timely delivery of critical security milestones while maintaining overall product development momentum across platforms serving over 1.4 billion Windows users globally.
- Managed enterprise-level security relationships across internal Microsoft divisions and external enterprise clients, leveraging in-depth offensive security expertise to deliver tailored security solutions that substantially reduced customer exposure to threats.
- Enforced rigorous production security standards by reviewing and assessing third-party drivers introduced into Azure's production environment, maintaining Microsoft's stringent security posture and supporting strategic growth within the partner ecosystem that generates 20% year-over-year Azure revenue growth (2024).
- Optimized vulnerability research operations by strategically aligning security engineering priorities with broader organizational goals, thereby boosting research team effectiveness and accelerating remediation timelines for critical vulnerabilities.

Program Manager 2, Azure Host Platform Team   August 2019 – December 2021

- Architected and deployed Azure's host operating system across Microsoft's global cloud infrastructure spanning 60+ regions and 300+ data centers worldwide, ensuring enterprise-grade reliability and security for the world's second-largest public cloud platform serving millions of customers.

- Spearheaded next-generation host OS development for Azure's future cloud infrastructure, defining technical requirements and security architecture that will power Microsoft's cloud services for the next decade.
- Implemented Virtualization-Based Security fleet-wide across Azure's global infrastructure, establishing critical defense-in-depth protections against advanced persistent threats and nation-state attacks on Microsoft's core cloud assets.

Program Manager, Windows Kernel Team   **February 2017 – August 2019**
- Collaborated with Windows Kernel Security Core team to advance kernel-level security capabilities, directly contributing to enhancements in Virtualization-Based Security that protect millions of Windows enterprise deployments worldwide.
- Delivered mission-critical security products including Windows Defender Application Guard, Windows Defender System Runtime Attestation Guard, and Windows Admin Center, strengthening Microsoft's comprehensive endpoint protection ecosystem.
- Drove cross-functional initiatives to achieve complex business objectives in ambiguous environments, successfully aligning technical innovation with strategic business outcomes across multiple product teams.

Project Manager, University of New Hampshire Interoperability Laboratory (IOL)   **July 2015 – July 2017**
- Led high-performing network engineering team of 4 professionals, providing technical expertise across all layer 2 networking protocols while mentoring junior staff and consistently delivering strategic team objectives that supported enterprise-wide infrastructure goals.
- Optimized vendor ecosystem management across 10-15 strategic partnerships, implementing improved testing and troubleshooting processes that enhanced service delivery quality and reduced network incident resolution time.
- Developed critical thinking capabilities across team members through hands-on leadership and technical mentorship, building problem-solving competencies that increased team autonomy and operational effectiveness.

PATENTS

Using Secure Memory Enclaves From The Context Of Process Containers
11256785, Issued February 22, 2022

System compliance based on a mix of hotpatches and coldpatches
11403092, Issued July 9, 2020

EDUCATION

Master of Science (M.S.), Computer Science   **2016**
University of New Hampshire, Durham, NH

Bachelor of Science (B.S.), Computer Science   **2015**
University of New Hampshire, Durham, NH

Budapest University of Technology and Economics (BME), Budapest, Hungary   Summer 2013