Ryan Anselman

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Summary

As an adaptable and driven engineer, I've consistently navigated the world of innovation, leading mission-critical projects and driving significant outcomes. My journey has taken me from working on high-performance controller firmware for memory systems to collaborating with diverse teams and tackling complex challenges.

I've found that the power of teamwork, effective communication, and a forward-thinking mindset are key to thriving in high-pressure environments. These principles guide my approach, enabling me to exceed expectations, foster innovation, and stay focused on the task at hand.

Over the years, I've developed a unique blend of technical expertise and leadership skills. I'm committed to excellence and always ready for the next challenge. I'm excited about the potential to make a significant impact on future projects, driving success through innovative solutions.

Looking ahead, I aim to continue growing, taking on new challenges, and contributing to cutting-edge technology solutions. For a glimpse of some of my current projects, feel free to check out my portfolio site at Anselman.com.

Experience

🧪 Software Developer

MatterMixers

May 2022 - Present (1 year 3 months)

Developed custom Python and JavaScript applications, optimizing efficiency and productivity.

Implemented automated testing for reliable software delivery.

Built robust full-stack applications using the MERN stack.

Integrated Terraform into the CI/CD pipeline for seamless infrastructure provisioning.

Utilized various AWS services to create resilient and scalable cloud-based solutions.

〽️ Firmware Validation Engineer

Micron Technology

Jun 2021 - Jul 2022 (1 year 2 months)

Contributed to the development of high-performance controller firmware for memory systems, enhancing power efficiency, reducing latency, and simplifying SoC complexity.

Collaborated with cross-functional teams to overcome development challenges, improving product performance and market competitiveness.

Built and debugged firmware for new memory controllers and SSDs, aiding in the successful launch of innovative products.

Mentored junior team members, fostering professional growth and knowledge transfer.

Excelled in delivering high-quality results independently under high-pressure, multi-priority situations.

Conducted failure trials and participated in issue resolution, enhancing product reliability and performance.

Streamlined firmware development and testing process through the configuration of a robust Jenkins pipeline.

Utilized Python to develop firmware and automate testing processes, accelerating development cycles.

Applied knowledge of storage interfaces and non-volatile storage technologies in the design and optimization of firmware for SSD storage systems.

Customer Engineer II
NCR Corporation
Dec 2020 - Jun 2021 (7 months)
Led a maintenance program, improving system reliability and minimizing downtime.
Addressed critical incidents with payment processing infrastructure, ensuring uninterrupted transaction processing.
Resolved complex technical challenges related to point-of-sale software, improving customer experiences and transaction processes.
Implemented robust security measures to protect sensitive customer data, maintaining compliance with PCI Validation standards.
Exceeded Service Level Agreements by promptly resolving incidents and conducting thorough problem determination and root cause analysis.

Network Technician
Kenyatta Computer Services
Jan 2019 - Dec 2020 (2 years)
Configured and deployed network hardware components, ensuring robust and secure network connectivity.
Executed system overhauls, improving network uptime and reducing potential disruptions.
Developed expertise in various networking technologies, enabling effective network software configuration and optimization.
Identified and addressed network bottlenecks, ensuring long-term network efficiency.
Demonstrated proficiency in troubleshooting and resolving configuration, network, and software issues.
Utilized wireless analysis tools to perform comprehensive wireless network assessments, optimizing network performance.

Education

University of Colorado Boulder
Master of Science in Computer Science (MS-CS), Computer Science
Aug 2022 - Dec 2024
The MS-CS program includes a broad range of interdisciplinary studies in the cutting-edge fields of AI and robotics, electrical engineering, engineering management, and data science.

The Evergreen State College
Bachelor of Science - BS, Biochemistry
2016 - 2018
Organic chemistry, biology, biochemistry, calculus-based physics, and technical writing for primary literature, Bioinformatics, neural networks, algorithms and data structures, computer architecture, and data science.

Licenses & Certifications

Cisco Certified Network Associate Routing and Switching (CCNA) - Cisco

Skills

JavaScript • HTML • Python (Programming Language) • Cascading Style Sheets (CSS) • Git • Linux • MongoDB • Firmware • Amazon Web Services (AWS) • Continuous Integration and Continuous Delivery (CI/CD)