

Ryan Anselman



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Summary

Leveraging 7 years of experience in network technology, software development, and firmware validation. Over the past two years, I've transitioned into a self-taught Full Stack Software Engineer role, primarily focusing on Python scripting and Linux environment management.

- Utilized Python and Bash scripts to automate network tasks such as configurations, performance testing, and troubleshooting, increasing operational efficiency.
- Developed custom network monitoring tools that interface directly with device APIs, enhancing system response times and significantly reducing network-related issues.
- Managed Linux environments effectively by automating command line tasks and troubleshooting Linux services, resulting in improved system stability and performance.

Experience



IT Solutions Consultant (Independent Contractor)

MatterMixers

May 2022 - Present (1 year 3 months)

- Simplified IT deployment process for clients, enhancing the setup, maintenance, and migration of crucial hardware and increasing client satisfaction.
- Collaborated with field engineers to configure network hardware and conduct network device testing, ensuring zero downtime during deployment.
- Utilized expertise in Fortinet and VMware to support clients using Cisco/Meraki/Aruba systems, enhancing network infrastructure efficiency and security.



Firmware Validation Engineer

Micron Technology

Jun 2021 - Jul 2022 (1 year 2 months)

- Employed Linux, Python, Jira, Confluence, Bitbucket for version control, and virtual machines to manage the execution of test suites, surpassing product quality and performance expectations.
- Collaborated with the design team to innovate testing strategies for feature-rich applications, simulating various use cases and edge conditions.
- Served as the primary contact for data collection, processing, and reporting, enhancing communication and data accuracy.
- Conducted in-depth investigations, replicated issues on testing equipment, and effectively communicated the results to customers, leading to a decrease in customer complaints.



Customer Engineer II

NCR Corporation

Dec 2020 - Jun 2021 (7 months)

- Managed the testing, debugging, and deployment of embedded software and systems to ensure compatibility with existing technologies.

- Led self-checkout installation projects for major retail stores, ensuring operational efficiency.
- Delivered projects within budget and deadline, swiftly resolving issues to meet client expectations.
- Led a maintenance program that improved system reliability and reduced downtime.
- Minimized disruptions to business operations by promptly addressing critical incidents within the payment processing infrastructure.
- Implemented robust security measures that safeguarded sensitive customer data and ensured compliance with Payment Card Industry (PCI) Validation standards.



Network Technician

Kenyatta Computer Services

Jan 2019 - Dec 2020 (2 years)

- Configured and deployed network hardware components, providing robust and secure network connectivity.
- Utilized Ekahau Wireless Network Analyzer to perform comprehensive site surveys, allowing for the optimization of Wi-Fi performance by identifying signal strength, noise, and interference issues.
- Executed system overhauls to improve network uptime and reduce potential disruptions.
- Troubleshoot configuration, network, and software issues promptly and effectively, minimizing any potential disruption.

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, machine learning, and data science.

Licenses & Certifications



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

Skills

Python (Programming Language) • Linux • Jira • Git • Bash • Jenkins • Flask • NumPy • Pandas (Software) • TypeScript