

SW Engineer



Rfanselman@gmail.com



Denver, CO



(303)-378-2161

Experience . www.micron.com**Micron Technology | Firmware Validation Engineer**

July 2021 - Jun 2022 --Developed and executed validation tests on SSD devices on enterprise servers. Analyzed and wrote test standards and procedures.

Maintained documentation of test results to assist in debugging and modification of software. Analyzed test results to ensure existing functionality, recommends and implemented test coverage improvement actions.

Performed failure analysis and worked with other function groups to resolve SSD system issues. Improved customer integration experience. Utilized NVMe storage interface protocols on Windows/Linux Operating Systems.

Programmed testing automation using Python and Jenkins. Worked with PCIe/NVMe bus analyzers and Analog/MixedSignal scopes while troubleshooting firmware failures.

Experience . www.ncr.com**NCR Corporation | Customer Engineer ii**

Dec 2020 - Jun 2021 --Oversaw hardware maintenance, installation, network management, and software support. Diagnosed problems, made repairs and replaced components. Followed appropriate security procedures when working with Customer's Credit Card & Financial information. Install, repair, & replace components on equipment such as PCs, workstations & peripherals, printers, front-end POS systems.

Provided troubleshooting and root cause analysis is in accordance with SLA's

Experience . www.kcsbus.com**Kenyatta Computer Systems | Network Technician**

Jan 2019 - Dec 2020 --Installed network hardware components & set up commercial UPS, enterprise-class routers, switches, firewalls & access points.

Performed maintenance repairs & system overhauls (like modular swaps & unit replacements).

Experience with networking technologies; TCP/IP, Routing, VLAN, DHCP, WINS, DNS.

Configured network software. Identified & eliminated bottlenecks to ensure long-term network efficiency. Troubleshoot and resolved configuration, network, and software issues.

Experience using wireless analysis tools - Ekahau Survey Pro.

Education . www.evergreen.edu**Bachelors Science | Evergreen State | Biochem/CS**

Sep 2016 - Sep 2018 --At Evergreen State College I received dual bachelors degrees, B.S/B.A. in Biochemistry and Computer Science respectively. Interdisciplinary sciences include;

B.S. -Upper-division organic chemistry, biology, and biochemistry, calculus-based physics, and technical writing for primary literature.

B.A. -Neural networks, algorithms and data structures, computer architecture, bioinformatics, and data science.

About

I am an software engineer and technology enthusiast.

I am fascinated with every layer of the tech stack and have experience with everything from embedded systems and enterprise data storage hardware. Most recently, I have been testing firmware on cutting-edge enterprise solid-state storage (SSD) devices.

Skills:**Programming Languages**

Python
CLI / BASH
HTML / CSS
Javascript
PHP

Technologies

Atlassian
Ansible
Git
Jenkins
Linux
Vim

Soft Skills

Humility
Teamwork
Leadership
Self-Starter