SOFTWARE ENGINEER

Ryan Anselman

PROFILE

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. You can find my portfolio at anselman.com

EXPERIENCE

FIRMWARE VALIDATION ENGINEER, MICRON – JUL 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.

CUSTOMER ENGINEER II, NCR CORPORATION – 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

NETWORK TECHNICIAN, KENYATTA COMPUTER SYSTEMS – 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. Troubleshot and resolved configuration, network, and software issues. Experience using wireless analysis tools - Ekahau Survey Pro.

EDUCATION

Bachelors of Science & Bachelors of Arts, Evergreen State College. Biochemistry & Computer Science.

SKILLS

- Python, Bash, HTML, CSS, C++, Javascript, OOP Methodologies
- Troubleshooting, Debugging
- Jira, Ansible, Jenkins, Linux, Vim
- Git, Bitbucket
- Agile Practices, CI/CD