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Summary

Dynamic and adaptable Full Stack Software Engineer with a diverse background in software development, firmware validation, and network technology. Proven track record of learning and mastering new technologies, with a passion for self-teaching and continuous skill improvement. Demonstrated experience in developing custom Python and JavaScript applications, implementing automated testing, and utilizing AWS services for robust cloud-based solutions.

Possesses a unique blend of technical expertise, problem-solving acumen, and collaborative spirit, evidenced by successful cross-functional team projects and mentoring roles. Known for delivering high-quality results under high-pressure situations and excelling in independent work.

While I am still in the process of acquiring some of the technical skills required for specific roles, my proven ability to learn quickly and efficiently, coupled with my passion for innovation, makes me a strong candidate for any challenging software engineering position. I am eager to leverage my skills and passion for technology to contribute to cutting-edge solutions and continue my professional growth.

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.
- Front-end Development and Web experience using Typescript and Node.js
- Data infrastructure



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.
- 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 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 Evergreen State College

Bachelor of Science - BS, Biochemistry

2016 - 2018

Licenses & Certifications



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

Skills

Proficient in Python programming, Developing skills in TypeScript, Microservice architectures, GIT, JIRA, Confluence, CI/CD, Troubleshooting/problem-solving, Communication, organizational skills, Working knowledge of AWS, Agile development methodologies, Unix and Linux environments