

(651)605-1493
Minneapolis, MN
rajsingh360@gmail.com

Raj Singh

Site Reliability Engineer

GitHub: rajsinghtech
LinkedIn: rajsingh360

SKILLS

Computer Infrastructure	Windows, Linux, VMware, Docker, Kubernetes, ESXI VMware, F5, Cisco/Meraki Layer 2, Palo Alto Layer 3
Programing Languages	Python, HTML, CSS, Javascript, Java, C, SQL, MongoDB
Coursework	Object Oriented Programming, Data Structures, Computer Organization and Assembly Level Programming, Digital Logic, Networking, Circuit Design/Analysis, Digital Systems Fundamentals
Achievements	Eagle Scout, Top 10 national finalist at BPA for Computer Networking
Certification	CompTIA A+ Certification, JNCIA DevOps/Service Provider (In Progress)

TECHNICAL EXPERIENCE

DevOps Engineer **Oct 2022 — Present**
Casey's General Stores, Inc *Ankeny, IA*

- Led the deployment of an OpenShift Kubernetes environment to facilitate a smooth transition from legacy software deployment methods. This involved designing and implementing a scalable infrastructure and training team members on how to use it effectively, demonstrating expertise in cloud-native technologies and a commitment to driving organizational change.
- Pioneered the implementation of containerization in the IT department by successfully writing, building, deploying, and pushing code to a Kubernetes cluster, showcasing expertise in modern software engineering practices and cloud-native technologies.
- Developed innovative tools that significantly reduced downtime of store network infrastructure across 2500+ locations, guaranteeing that fuel pump and point-of-sale terminals remained operational. These tools monitored network connectivity and provided remote troubleshooting capabilities for the NOC, resulting in faster resolution times and improved network stability. This proactive approach resulted in enhanced system reliability and performance.
- Designed and implemented various dashboards using Grafana and New Relic to provide real-time visibility into system performance and identify potential issues before they become critical. This resulted in improved operational efficiency.
- Oversaw the complete software development CI/CD life-cycle of custom-built applications, both in the cloud and on-premise. This involved managing code version control, continuous integration, testing, deployment, and ongoing maintenance, ensuring seamless delivery and high-quality software products.
- Designed and developed Windows Server agents to streamline inventory management, asset tracking, and device health monitoring. This solution improved accuracy and efficiency, quickly identifying and resolving potential issues.

Network Engineer **MAY 2021 — Oct 2022**
Casey's General Stores, Inc *Ankeny, IA*

- Proactively identified store network infrastructure vulnerabilities by monitoring Palo Alto and Cisco Meraki systems, resulting in improved network stability and reduced store downtime, demonstrating strong analytical and technical skills in network security and performance optimization.
- Assisted with the deployment of various network devices and services, including SD-WAN, Load Balancers (F5), switches (Cisco/Meraki), firewalls (PaloAlto), and access points.
- Achieved and maintained high system performance, availability, and reliability by closely monitoring system resource utilization and capacity planning. This proactive approach helped prevent downtime and ensured a seamless customer experience.
- Provided level 2 and level 3 technical support to resolve issues promptly and effectively. This involved troubleshooting and debugging to restore system functionality and respond to user inquiries in a timely manner.
- Leveraged APIs to automate certain networking-based tasks, improving deployment efficiency and reducing manual errors. This involved utilizing containerized deployment to achieve faster and more efficient results.
- Managed the commissioning and decommissioning of network infrastructure, ensuring seamless integration and smooth transitions. This involved working with cross-functional teams to coordinate equipment installations, upgrades, and removals.

IT Specialist **MAY 2017 — 2022**
Singh360 *Medina, MN*

- Led small business IT operations and management, including the installation of networking infrastructure, hardware/software deployment, and software solutions management.
- Managed the full IT life-cycle for all hardware assets, ensuring optimal performance and longevity.
- Conducted comprehensive vulnerability assessments and penetration tests to secure the perimeter network, systems, and applications. This proactive approach ensured the protection of sensitive data and minimized the risk of security breaches.

EDUCATION

Bachelor of Science in Computer Engineering, Iowa State University 2018 — 2022
General Education Development, Wayzata High School 2014 — 2018