

(651)605-1493  
Chicago, IL  
rajsinghpre@gmail.com

# Raj Singh

Kubernetes Platform Engineer

GitHub: rajsinghtech  
LinkedIn: rajsingh360

## EDUCATION

**Bachelors in Computer Engineering**, Iowa State University  
**General Education**, Wayzata High School

2018 — 2022  
2014 — 2018

## SKILLS

**Computer Infrastructure** Kubernetes, VMware, F5, SALT, Ansible, Puppet, Terraform, Linux, Azure, Cisco, Palo Alto, NGINX, HAProxy, Cilium, Kafka, RabbitMQ  
**Programming Languages** Python, HTML, CSS, Javascript, Java, C, SQL, MongoDB, Redis, GO  
**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, Cisco CCNA, Certified Kubernetes Administrator

## TECHNICAL EXPERIENCE

### Customer Reliability Engineer

Isovalent/Cisco

Jun 2024 — Present

Milpitas, CA

- Proactively managed Cilium Enterprise reliability in production, reducing operational risks and improving performance for major clients such as OpenAI, Palantir, Databricks, and Capital One.
- Collaborated with Solutions Architects and Engineering to resolve customer incidents, streamline documentation, and optimize Kubernetes and networking practices across large-scale environments.
- Conducted production readiness reviews and developed automated customer reproduction environments, utilizing Kubernetes, Linux, and networking expertise to ensure reliability at scale.
- Enhanced troubleshooting efficiency by creating knowledge base articles and automating monitoring, enabling quicker resolution times and supporting Kubernetes-based architectures.

### Platform Engineer

Hyatt Corporation

Jun 2023 — Jun 2024

Chicago, IL

- Spearheaded the development and implementation of microservice architecture strategies, collaborating closely with development teams to ensure optimal design and scalability.
- Engineered custom tooling for networking practices, reducing customer latency and enhancing developer simplicity, leveraging technologies such as Persistent Storage, Layer 3-7 load balancers, Kubernetes Proxy, and DNS methodologies.
- Streamlined networking architecture for incoming CDN traffic, resulting in expedited F5 pool changes and automated change requests, enhancing operational efficiency.
- Developed and implemented monitoring techniques utilizing Datadog across platform teams, ensuring adherence to SLO agreements and proactive maintenance of systems.

### DevOps Engineer

Casey's General Stores, Inc

May 2021 — Jun 2023

Ankeny, IA

- Leveraged APIs to automate certain networking-based tasks, improving deployment efficiency and tightly integrating with company resources. This involved utilizing containerization and Azure cloud development.
- Identified store network infrastructure vulnerabilities by monitoring Palo Alto and Cisco Meraki systems, resulting in improved network stability and reduced store downtime.
- Conducted resource utilization and capacity planning. This prevented downtime and ensured a seamless customer experience.
- Transformed company-wide asset management and discovery using this system, eliminating manual error-prone bookkeeping. Discovered roughly 22,000 previously unknown network devices, allowing potential tax write offs up to \$2,200,000.
- Implemented an agile approach to the deployment of an on premises OpenShift Kubernetes environment, collaborating with team members to iteratively refine the process and continuously improve efficiency and quality.