

## Christopher J Ryan

SRE | DevOps | Sr Systems & Platform Engineer

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### SUMMARY

\*nix systems engineer with 23+ years of experience in improving efficiency through automation, managing large-scale cloud infrastructure, and enhancing system reliability. Strong expertise in high availability, SLOs, metrics, and monitoring, coupled with a passion for continuous learning and applying innovative solutions in challenging environments.

### SKILLS

- Configuration Management and Automation: Ansible, SaltStack, Terraform, Chef, Puppet.
- Containerization and Orchestration: Kubernetes (K8s), Docker, Rancher/K3s.
- CI/CD Pipelines: GitLab CI, GitHub Actions, Jenkins, GitLab Runner.
- Infrastructure as Code (IaC): Terraform, Vagrant, Tinkerbell for bare metal PXE installs.
- Scripting and Programming Languages: Python, Bash, Go, Perl, Ruby.
- Version Control Systems: Git, GitHub, GitLab, CVS.
- Monitoring and Logging: Prometheus, Grafana LGTM, ELK Stack, Splunk, OpenTelemetry.
- Networking: TCP/IP, DNS, VLAN, Load Balancing, VPN, Firewalls.
- Security: HashiCorp Vault, Teleport, IAM/SASE/Zero Trust, SSL, PKI, CIS Benchmarks.
- Operating Systems: Linux, FreeBSD, Unix, Windows Server.
- Cloud Platforms: AWS, Azure, GCP.
- Storage: ZFS, Ceph, NFS, GlusterFS, CIFS, RAID arrays.

### RECENT EXPERIENCE

#### Viasat, Carlsbad, CA (Remote)

System Engineer & Stream Systems Architecture - July 2023 - Present

- Developed and maintained monitoring solutions using Prometheus and Grafana, focusing on high availability, SLOs, and performance optimization for streaming services.
- Automated infrastructure management with Terraform and Ansible, ensuring consistent and secure deployment across cloud and on-prem environments.
- Supported SRE teams to enhance system reliability and reduce downtime, collaborating closely with product engineering teams.
- Integrated monitoring into developer platforms, using Python and Go, to ensure robust observability and timely alerting.
- Tuned web server configurations for improved performance and reliability, supporting large-scale, distributed applications.

#### Netskope Inc, Santa Clara, CA (Remote)

Platform Engineer - March 2022 - July 2023

- Consolidated and modernized configuration management platforms, implementing Ansible and SaltStack for enhanced control over 50,000+ servers.
- Deployed and managed Kubernetes clusters using Terraform, with a focus on security and compliance in cloud environments.
- Integrated HashiCorp Vault for secure management of system secrets and SSL certificates, ensuring adherence to security best practices.
- Provided operational support for large-scale cloud infrastructure, with hands-on experience in AWS, Azure, and GCP.
- Contributed to SLI/SLO/SLA processes, driving performance improvements and optimizing system reliability.

#### **Limelight Networks Inc / EDGIO, Tempe, AZ (Remote)**

Site Reliability Engineer - July 2014 - March 2022

- Architected and deployed private cloud solutions, reducing physical footprint and enhancing system scalability and reliability.
- Built and managed Kubernetes clusters across global PoPs, supporting high-availability services with Terraform and Ansible.
- Developed monitoring and logging solutions with Prometheus, ELK Stack, and custom scripts to ensure comprehensive observability and timely incident response.
- Led the migration of legacy systems to modern, cloud-native environments, significantly improving system performance and reducing operational overhead.
- Served as the senior point of contact for escalations and complex troubleshooting, mentoring junior engineers and streamlining SRE practices.

#### **EDUCATION**

##### **Livonia Franklin High School, Livonia, MI**

High School Diploma, June 2001

Completed advanced learning programs in network administration & engineering.

#### **HOBBIES**

- Open-source software enthusiast
- Automotive restoration and performance engineering
- Active ice hockey player
- Drummer and music enthusiast