

# Nate Schmoll

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*Infrastructure, Production, DevOps, Site Reliability, and Cloud Security Engineer*

## Overview

Versatile engineer with over 15 years of relevant experience optimizing secure, scalable, and cloud-native infrastructure. Expert in coding for software and infrastructure deployment, on-the-fly incident troubleshooting across network, system, and application layers, and mentoring team members to drive operational excellence. Proven success in automating deployments for FedRAMP and PCI-DSS compliant environments, reducing mean time to resolution, and fostering cross-functional collaboration to deliver robust systems.

## Key Skills

|                                     |   |
|-------------------------------------|---|
| <b>Cloud and Infrastructure</b>     | AWS, GCP, Kubernetes, Terraform, Helm   |
| <b>CI/CD and Automation</b>         | Jenkins, GitLab CI, GitHub Actions, Argo, flux  |
| <b>Monitoring and Observability</b> | Prometheus, Thanos, AlertManager, Grafana, Splunk, Loki, Elasticsearch                                |
| <b>Security and Compliance</b>      | PCI-DSS, FedRAMP, WireGuard, IPsec, OpenVPN   |
| <b>Programming</b>                  | Go, Python, Ruby, Bash, Git   |
| <b>Core Competencies</b>            | Incident Response, Scalability, Cloud-Native Architecture, Cross-Functional Collaboration, Mentorship |

## Experience

**Block, Cloud Security Engineer** Frisco, TX (Remote) 2026 - Present

- Collaborate cross-functionally with multiple product organizations and engineering teams to drive and implement enterprise-wide infrastructure security initiatives.
- Design and develop robust, scalable security architectures and infrastructure solutions aligned with industry best practices and organizational needs.
- Consistently deliver high-impact projects on time, meeting aggressive deadlines in a fast-paced environment.

**Cisco Systems, Site Reliability Engineer** Frisco, TX (Remote) 2024 - 2025

- Architected service re-implementation in Kubernetes with Argo and Helm.
- Achieved 99.99% uptime for FedRAMP-compliant environments at Moderate and High Impact Levels.
- Secured Provisional Authorization to Operate (P-ATO) for new environments, enabling \$2-3M in federal contracts.
- Streamlined deployment pipelines for over 150 component services using GitHub, Kubernetes, and Argo, reducing service onboarding time by more than 50%.

|   |                       |             |
|---|-----------------------|-------------|
| <b>Schmoll Systems LLC, President</b>   | Frisco, TX (Remote)   | 2022 - 2024 |
| <ul style="list-style-type: none"> <li>Developed Go-based cloud resource management software, automating infrastructure provisioning for multiple clients across AWS and GCP.</li> <li>Reduced client infrastructure costs over 30% through server consolidation and improved autoscaling configurations.</li> <li>Mentored client teams in Kubernetes and Terraform, improving their operational effectiveness.</li> <li>Led incident response for critical outages, resolving issues within SLAs 98% of the time.</li> </ul>  |                       |             |
| <b>Salesforce.com (MuleSoft), Site Reliability Engineer</b>   | Santa Fe, NM (Remote) | 2020 - 2022 |
| <ul style="list-style-type: none"> <li>Enhanced stability of FedRAMP Moderate Impact Level (IL) GovCloud environments, achieving 99.9% uptime and uplifting to High IL.</li> <li>Automated incident remediation workflows, reducing manual interventions by more than 40%.</li> <li>Collaborated with development teams to implement cloud-native monitoring with Prometheus and Grafana, improving availability of common Service Level Indicators (SLIs) and establishing useful Service Level Objectives (SLOs).</li> <li>Mentored 3 junior engineers in advanced troubleshooting techniques, fostering a culture of proactive incident management.</li> </ul> |                       |             |
| <b>Subsplash, Site Reliability Engineer</b>   | Santa Fe, NM (Remote) | 2018 - 2020 |
| <ul style="list-style-type: none"> <li>Migrated 20+ Go-based microservices from AWS EC2 instances to AWS EKS, reducing deployment time by 50% and standardized deployments using Terraform, GitLab CI, and Helm.</li> <li>Ensured PCI-DSS compliance for payment card processing systems, passing all audits with zero outstanding findings.</li> <li>Oversaw and implemented infrastructure consolidation from 3 distinct acquisitions, unifying networking and systems, and scaling infrastructure to handle 200% user growth.</li> <li>Trained 10+ developers in Kubernetes best practices, enabling daily production deployments.</li> </ul>                  |                       |             |
| <b>Salesforce.com (Pardot), Site Reliability Engineer</b>   | Seattle, WA (Remote)  | 2013 - 2018 |
| <ul style="list-style-type: none"> <li>Automated infrastructure deployments with Chef and Terraform, supporting 10+ daily application code deployments in a dynamic environment of more than 50 developers.</li> <li>Ensured Salesforce Trust compliance, reducing security vulnerabilities by 25% through proactive monitoring with standard tooling.</li> <li>Led cross-functional teams to optimize system performance, improving application response times by more than 50%.</li> <li>Mentored junior SREs and built a scalable incident response framework.</li> </ul>  |                       |             |
| <b>Earlier Career</b>   |                       |             |
| <ul style="list-style-type: none"> <li><b>ServiceNow, Performance Engineer</b> (2012 - 2013): Optimized MySQL database performance for 1000+ instances, improving query response times by more than 25%.</li> <li><b>SAP Concur, Unix Systems Engineer</b> (2007 - 2011): Managed 100+ Red Hat Linux systems and supported a Hadoop cluster for data mining; assisted with over 1300 servers across multiple sites.</li> <li><b>Breakwater Security Associates, Network Engineer</b> (2005 - 2006): Responded to network and system outages under strict Service Level Agreements; assisted clients with system modifications and updates.</li> </ul>             |                       |             |

## Education

### **University of Washington**

Bothell, WA

2005 - 2008

- Attained Bachelors of Science in Computing & Software Systems