

Nate Schmoll

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Creative DevOps, Site Reliability & Systems Engineer with a focus on tooling & security

nat.sh/resume

Objective

My troubleshooting skills from the bottom to the top of the stack have positioned me to obtain a role as a Site Reliability Engineer, DevOps Engineer, Network Engineer, or Systems Engineer of Linux, BSD, or other UNIX-like systems in a production environment. In addition, my background in PCI-DSS compliance, FedRAMP, and security tooling positions me to execute my skills with best practices for modern security.

Skills

haproxy Terraform Amazon Web Services (AWS) Google Cloud Platform (GCP)
Kubernetes (and EKS on AWS) Chef HIDS LIDS OSSEC memcached
Redis Splunk PCI-DSS compliance Nagios Xymon Zabbix VXLAN
Prometheus (incl. AlertManager & many exporters) git Tungsten Replicator MySQL
MariaDB Percona GitLab CI GitHub Enterprise Jenkins Django Rails
Linux (RHEL/CentOS, Debian, Ubuntu) FreeBSD OpenBSD Mac OS X
Cisco Meraki Cisco IOS Check Point JunOS FortiGate ZFS ext4
XFS vSphere Filebeat Elasticsearch, Logstash, & Kibana (ELK stack) WireGuard

Development Languages

Go shell (GNU+BSD) PHP Python Ruby Java

Experience

2022 Sentry.io Frisco, TX (remote)

Lead Site Reliability Engineer

- Automated infrastructure and service deployment via Terraform and Kubernetes
- Implemented infrastructure changes to achieve high reliability and availability targets
- Worked across various development and support groups to implement broad-reaching projects

2020 - 2022 Salesforce.com (MuleSoft) Santa Fe, NM (remote)

Principal Site Reliability Engineer

- Ensured stability of FedRAMP Medium, GovCloud-hosted environments
- Drove high-priority projects to completion

- 2019 - 2020** **Subsplash** **Santa Fe, NM (remote)**
Senior Site Reliability Engineer
- Migrated many Go-based microservices to Kubernetes (EKS in AWS)
 - Automated microservice deployment to Kubernetes using Terraform and GitLab CI
 - Facilitated consolidation of several acquisitions into existing systems and networking infrastructure
- 2019** **Okta** **Seattle area, WA (remote)**
Staff Site Reliability Engineer, Security
- Implemented security policies in hosting environments to ensure baseline security metrics are met
 - Worked with incredibly dynamic hosting environment, involving self-authored discovery tool & Terraform
 - Participated in on-call and incident management processes
- 2018 - 2019** **Subsplash** **Seattle area, WA (remote)**
Senior Site Reliability Engineer
- Managed infrastructure for multiple platforms to ensure availability
 - Increased visibility into existing processes and systems via metrics gathering and easy-to-understand visuals
 - Counseled developers and engineers with challenging questions, helpful solutions, and best practices
 - Ensured secure and PCI-DSS-compliant environment for financial transactions
- 2016 - 2018** **Salesforce.com (Pardot)** **Seattle area, WA (remote)**
Lead Site Reliability Engineer
- Ensured applications remain available and performant to all users
 - Followed site reliability processes for maximum consistency, stability, and performance
 - Developed new processes to ensure communication occurs efficiently
 - Conducted postmortems to uncover gaps
- 2015 - 2016** **Salesforce.com (Pardot)** **Seattle area, WA (remote)**
Infrastructure Security Engineer
- Ensured systems are compliant with Salesforce Trust standards
 - Deployed new tools to assist with the detection and remediation of vulnerabilities in the hosting environment
 - Implemented processes for ensuring changes do not degrade the level of trust of the hosting environment
 - Managed centralized host-based firewall control system
 - Researched proposed changes in the environment to evaluate security impact, collaborating with teams throughout the engineering & development organization

2013 - 2015 **Salesforce.com (Pardot)** **Seattle area, WA (remote)**

Senior Systems Engineer

- Worked with dynamic environment heavily influenced by developers
- Developed long-term systems management policies and strategies
- Managed environment with heavily automated deployment infrastructure using Chef
- Met the needs of developers deploying code to production multiple times per day
- Built a highly-available infrastructure designed with fault tolerance at every step
- Brought a diverse hosting operation into a managed, policy-based service environment
- Utilized DevOps strategy to simultaneously further the product and enhance the environment

2012 - 2013 **ServiceNow** **Kirkland, WA**

Performance Engineer

- Troubleshoot production application performance issues
- Researched database performance improvements for thousands of MySQL database engine instances
- Tested various hardware combinations for optimal price-performance business return

2007 - 2011 **Concur (now SAP Concur)** **Redmond, WA**

UNIX Systems Engineer II

- Deployed and managed more than 100 Red Hat Enterprise Linux systems supporting diverse functionality, all within a two-person team
- Supported development team and data mining initiative with deployment and maintenance of a heavily-loaded Hadoop cluster
- Managed Active Directory deployment in 1300-server, multi-site environment

2004 - 2005 **Breakwater Security Associates** **Seattle, WA**

Network Security Engineer

- Single-handedly pioneered an internal migration from Microsoft Exchange 5.5 to Exchange 2003
- Assisted clients with system modifications and updates
- Responded to network and system outages under strict Service Level Agreements

Education

2005 - 2008 **University of Washington** **Bothell, WA**

Attained Bachelors of Science in Computing & Software Systems