

# Nate Schmoll

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

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## 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, or Systems Engineer of Linux, BSD, or other UNIX-like systems in a production environment. In addition, my background in PCI-DSS compliance and security tooling positions me to execute my skills with best practices for modern security.

## Skills

haproxy   Amazon Web Services (AWS)   Chef   automation   HIDS   LIDS   OSSEC

memcached   Redis   Splunk   PCI-DSS compliance   Nagios   Xymon   Zabbix

Tungsten   MySQL   MariaDB   Percona   Jenkins   git   Django

Linux (RHEL/CentOS, Debian, Ubuntu, CoreOS)   SmartOS   FreeBSD   OpenBSD

Mac OS X   Check Point   Netscreen   JunOS   FortiGate/FortiOS   ZFS   ext3/4

XFS   VMware vSphere   XEN   KVM

## Development Languages

Go   shell (GNU & BSD tools)   PHP   Python   Ruby   Java   SQL   JavaScript

HTML   CSS

## Experience

2018 - present                      Subsplash    Seattle area, WA (remote)  
*Sr. Site Reliability Engineer*

- Manage infrastructure for multiple platforms to ensure availability
- Increase visibility into existing processes and systems via metrics gathering and easy-to-understand visuals
- Counsel developers and engineers with challenging questions, helpful solutions, and best practices
- Ensure secure and PCI-DSS-compliant environment for financial transactions

1998 - present                      Schmoll Systems    Seattle area, WA (remote)  
*Principal*

- Develop groundbreaking systems management software utilizing the Go programming language
- Work with other professionals in related fields to complete projects

**2016 - 2018**                      **Salesforce.com (Pardot)**                      **Seattle area, WA (remote)**

*Site Reliability Engineer, Lead Member of Technical Staff*

- 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

**2016**                                      **CloudPassage**                                      **Seattle area, WA (remote)**

*Sr. DevOps Security Engineer*

- Ensured systems were compliant with various industry standards
- Automated various aspects of the environment to meet FedRAMP requirements
- Assisted with bringing dozens of internal services into a single user provisioning process
- Maintained and enhanced Chef server and client configurations for consistency in hosting environments
- Facilitated migration of various services from one cloud provider to another

**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 trustedness 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, 2014 - 2015**                      **Salesforce.com (Pardot)**                      **Seattle area, WA (remote)**

*Sr. 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

**2013 - 2014**

**Subsplash**

**Seattle area, WA**

*Sr. Systems Engineer*

- Managed internal network and systems
- Built package to easily add install and manage workstations
- Migrated core internal assets from shared third-party file hosting solution to internal ZFS-based system
- Collaborated with various teams to migrate CRM systems

**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

**2011 - 2012**

**Apptio**

**Bellevue, WA**

*Sr. Datacenter Engineer*

- Managed monolithic Java-based application in Linux-based production environment
- Responded to P1 outage issues
- Troubleshoot client issues

**2007 - 2011**

**Concur Technologies**

**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
- Identified repeatable internal processes and automated them with advanced shell scripting
- Represented several projects and teams on the internal Change Control Board (CCB)
- Built a centralized, enterprise-class VMware-based virtualization environment
- Mentored coworkers during physical-to-virtual project that virtualized 80% of the 1200-server environment
- Implemented monitoring strategy and tools for unified management of Linux and UNIX systems
- Ensured Linux and UNIX systems interoperability within the majority-Windows environment
- Worked with security team to ensure Linux and UNIX compliance with Payment Card Industry Data Security Standards (PCI DSS)
- Supported automated data interchange processes with thousands of clients and vendors
- Developed PHP and PostgreSQL-based web applications supporting internal client support users
- Assisted with configuration of Hitachi SAN for off-site disaster recovery replication

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*

2003 - 2005

Cascadia Community College

Bothell, WA

*Attained Associate's Degree*