

# Nate Schmoll

4500 Harbour Pointe Blvd, #822, Mukilteo, WA 98275

<http://nat.sh> // [n@nat.sh](mailto:n@nat.sh) // 425-232-6724

---

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

---

## 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 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 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

2016 - present

Salesforce.com (Pardot)

Seattle area, WA (remote)

*Site Reliability Engineer, Lead Member of Technical Staff*

- Ensure applications remain available and performant to all users
- Follow site reliability processes for maximum consistency, stability, and performance
- Develop new processes to ensure communication occurs efficiently
- Conduct postmortems to uncover gaps

- |   |                                |                                  |
|---|--------------------------------|----------------------------------|
| <b>1998 - present</b>   | <b>Schmoll Systems</b>         | <b>Seattle area, WA</b>          |
| <i>Principal</i>  |                                |                                  |
| <ul style="list-style-type: none"> <li>• Develop groundbreaking systems management software utilizing the Go programming language</li> <li>• Work with other professionals in related fields to complete projects</li> <li>• Many projects completed; some available for viewing at <a href="http://www.schmoll.systems">www.schmoll.systems</a></li> </ul>   |                                |                                  |
| <b>2016</b>   | <b>CloudPassage</b>            | <b>Seattle area, WA (remote)</b> |
| <i>Sr. DevOps Security Engineer</i>   |                                |                                  |
| <ul style="list-style-type: none"> <li>• Ensure systems are compliant with various industry standards</li> <li>• Automate various aspects of the environment to meet FedRAMP requirements</li> <li>• Assist with bringing dozens of internal services into a single user provisioning process</li> <li>• Maintain and enhance Chef server and client configurations for consistency in hosting environments</li> <li>• Facilitate migration of various services from one cloud provider to another</li> </ul>   |                                |                                  |
| <b>2015 - 2016</b>  | <b>Salesforce.com (Pardot)</b> | <b>Seattle area, WA (remote)</b> |
| <i>Infrastructure Security Engineer</i>   |                                |                                  |
| <ul style="list-style-type: none"> <li>• Ensured systems are compliant with Salesforce Trust standards</li> <li>• Deployed new tools to assist with the detection and remediation of vulnerabilities in the hosting environment</li> <li>• Implemented processes for ensuring changes do not degrade the trustedness of the hosting environment</li> <li>• Managed centralized host-based firewall control system</li> <li>• Researched proposed changes in the environment to evaluate security impact, collaborating with teams throughout the engineering &amp; development organization</li> </ul>  |                                |                                  |
| <b>2013, 2014 - 2015</b>  | <b>Salesforce.com (Pardot)</b> | <b>Seattle area, WA (remote)</b> |
| <i>Sr. Systems Engineer</i>   |                                |                                  |
| <ul style="list-style-type: none"> <li>• Worked with dynamic environment heavily influenced by developers</li> <li>• Developed long-term systems management policies and strategies</li> <li>• Managed environment with heavily automated deployment infrastructure using Chef</li> <li>• Met the needs of developers deploying code to production multiple times per day</li> <li>• Built a highly-available infrastructure designed with fault tolerance at every step</li> <li>• Brought a diverse hosting operation into a managed, policy-based service environment</li> <li>• Utilized DevOps strategy to simultaneously further the product and enhance the environment</li> </ul> |                                |                                  |

**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*