

Nate Schmoll

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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-DSS compliance and security tooling positions me to execute my skills with best practices for modern security.

Skills

haproxy Terraform Amazon Web Services (AWS) Kubernetes Chef automation
HIDS LIDS OSSEC memcached Redis Splunk ELK
PCI-DSS compliance Nagios Xymon Zabbix Tungsten MySQL MariaDB
Percona GitLab CI GitHub Enterprise Jenkins git Django Rails KVM
Linux (RHEL/CentOS, Debian, Ubuntu, CoreOS) SmartOS FreeBSD OpenBSD
Mac OS X Check Point JunOS FortiGate ZFS ext4 XFS vSphere XEN

Development Languages

Go shell (GNU+BSD) 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