Colin Shea's Resume Page 1 of 3

Colin Shea

SELF-TAUGHT PROGRAMMER, SYSADMIN, AND DEVOPS EXPERT

colin@shea.at http://evaryont.me/ (301) 337-7181 Phoenix, AZ USA

Technical Skills

Mastery of: Linux, Ruby, Ansible, Python, Puppet, TLS/SSL, git, AWS, MySQL, Chef, SaltStack

Proficient at: PostgreSQL, Java, HTML, XMPP/Jabber, Ansible, Redis, Heroku, ElasticSearch, Kibana, Logstash, MongoDB, C#

Knowledge of: Go, JavaScript, Elixir, VMWare, Ansible, .NET, PowerShell



Really Simple, Inc - http://www.byrsp.com

November 2016 - May 2017

Senior System Administrator

Automation for an AWS based infrastructure with heavy integration of RedHat management technologies, supporting a hybrid Spring Boot, Tomcat and node.js platform.

- Ansible used to provision, deploy, and configure every server, and every service.
- Created, from scratch, new production alike environments for clients and contracters
- Managed security policies and handled incoming reports.
- Deployed Prometheus for monitoring, Logstash for centralized logging, LYNIS and OpenSCAP for auditing,
 Spacewalk for patch management, FreeIPA for AAA

<u>Internet Security Research Group-</u> <u>https://letsencrypt.org</u>

December 2015 - August 2016

System Administrator

The deployment and management of <u>Let's Encrypt - https://letsencrypt.org</u> in a highly secure environment to create the first truly open CA. Part of the team shepherding it from closed beta to general access.

- Created policies to use public cloud infrastructure alongside the existing secure datacenters.
- Worked with auditors and root trust programs to create and operate a high trust network.
- Developed custom saltstack formulas for a variety of standard management tools within the high trust network.
- Worked with the developers of <u>boulder https://github.com/letsencrypt/boulder and certbot https://certbot.eff.org/</u> to help automate the creation of over 5 million TLS certificates, creating one of the largest certificate authorities in the world

The Evogi Group - http://www.evogi.com/ Lead System Administrator

<u>September 2013 - June 2015</u>

Configuration, monitoring, and deployment of 1,000+ Ubuntu and CentOS servers in AWS running Ruby on Rails, Java, Erlang and Go applications.

- Developed custom internal applications, for the operations and development teams, in Ruby, Go, and Java
- Transitioned from a monolithic server architecture to a multi-tiered architecture using Amazon VPC
- Spearheaded the first and subsequent international deployments
- Revamped the authentication and structure for the internal admin panel of the Rails code base
- Modernized configuration management and deployment using Chef 12 and Amazon EC2 Autoscaling
- Deployed applications to Heroku, Elastic Beanstalk, and other PaaS services
- Set up Nagios, Icinga, Shiken and ELK stacks to monitor components of the network
- Helped administrate multiple MySQL databases with terabytes of data
- Maintained patches against upstream gems and cookbooks to use internally developed libraries

Colin Shea's Resume

Cummings Engineering Consultants System Administrator

<u>January 2012 - April 2013</u>

Configuration, monitoring, and deployment of servers across the world in a hybrid cloud running Java applications.

- Developed and deployed custom internal applications in Java and Ruby
- Migrated servers from manual setup to configuration management using Puppet
- Developed policies to secure our servers to our client's (NSA) standards
- Located and decided on international targets across all continents to expand the network to fulfill ultra-low latency demands
- Managed the internal git, Gerrit code review, NAS, and Jenkins CI servers
- Managed PostgreSQL, MySQL and MongoDB databases in high security networks

<u>University of Advancing Technology -</u> https://www.uat.edu/

<u>August 2011</u> - <u>December 2011</u>

Intern

Helped out with networking and Linux related tasks in the IT department.

- Answered staff's and student's questions
- Deployment of new Cisco routers and switches
- Management of Fedora machines, integrated with Active Directory and Exchange, to let non-technical students experience Linux for the first time
- Upgraded the network security lab, isolating it from the rest of the network to ensure regular client machines wouldn't be affected
- Created a library of shell scripts to spin up and manage new VMWare virtual machines in the network security lab

[Buffer]Overflow - http://root-the-box.com/

<u>January 2011</u> - <u>October 2011</u>

Chairman of the Root The Box Committee

As chairman, it was my responsibility to manage the committee with weekly status meetings.

</> Projects

cattle-ranch - https://github.com/evaryont/cattle-ranch

<u>June 2014</u> - <u>Present</u>

Wrapper cookbooks and recipes to automate building & managing my network

mousehole - https://github.com/evaryont/mousehole

September 2005 - August 2009

An HTTP proxy written in Ruby to allow users to change the web to their preferences

arson - https://github.com/evaryont/cattle-ranch

April 2008 - August 2009

A download-only tool to help Arch users install packages from the AUR

Certifications

Colin Shea's Resume Page 3 of 3

<u>Security+ -</u> <u>April 2010 - Present</u> <u>https://www.certmetrics.com/comptia/electronic_certificate.aspx?</u> <u>cert=1900980</u>

<u>Linux+ -</u> <u>April 2010 - Present</u> <u>https://www.certmetrics.com/comptia/electronic_certificate.aspx?</u> cert=1902705

CompTIA

CompTIA

<u>Network+ -</u> <u>October 2009 - Present</u> <u>https://www.certmetrics.com/comptia/electronic_certificate.aspx?</u> <u>cert=1792532</u>

CompTIA

A+ (IT Technician) -

<u>June 2009</u> - <u>Present</u>

https://www.certmetrics.com/comptia/electronic_certificate.aspx?cert=1430280

CompTIA

Education

<u>University of Advancing Technology - http://uat.edu</u>, Tempe, Arizona USA

2010 - 2013

Triple Major, Open Source Technologies, Network Security & Network Engineering

% Links

- Website http://evaryont.me
- Code https://github.com/evaryont
- <u>Twitter https://twitter.com/evaryont</u>

Colin Shea — colin@shea.at — (301) 337-7181 References available upon request.