Scott Vranesh-Fallin

Las Vegas, Nevada, United States ✉ scott.fallin@gmail.com ▢ (702) 900-6762 🔗 in/svraneshfallin ☁ http://scott.vranesh-fallin.com/

SUMMARY

Programmer, database administrator, and systems administrator with decades of experience with Open Source tech and architectures. Seeking to apply past experiences to take the next step in my career in IT Infrastructure and Database Administration and Design.

EXPERIENCE

Systems Engineer II
CreditOne Bank   **April 2020 - March 2024, Las Vegas, Nevada**

· Worked on a team that oversaw more than 1500 virtual machines (VMWare) and over 300 bare metal servers.
· Made extensive use of Ansible to patch more than 1800 servers (Mixed environment of virtual machines and bare metal servers).
· Made extensive use of my own custom written Ansible scripts to maintain servers and engage in common UNIX/Linux administration tasks.
· Deployed and maintained Mega and Quavo applications used by the bank's risk management team to issue credit cards and monitor fraud.
· Monitored servers for health using custom Ansible and BASH scripts as well as Solar Winds Orion.
· Worked weekend overnight maintenance windows as required.
· Participated in an on-call rotation necessitating being on-call 24/7 for one week every five or six weeks.
· Managed the Linux team's vulnerability management program using Qualys in conjunction with JIRA.
· Worked closely with the Quavo (QFD) project manager and development team in both the upgrading of the system and the migration of said system to the cloud (AWS).
· Supported Kubernetes team with custom server builds.
· Created general RedHat virtual machines via a custom Ansible script that builds the server, sets up Postfix mailer, locks down SSH, sets up SMTP, and registers the server with Solar Winds.
· Supported the DBA team's experimentation with MySQL/MariaDB, serving as SME.
· Led the support infrastructure for the implementation of R Studio in an enterprise setting.
· Created custom Ansible scripts to upgrade RedHat 7 servers to RedHat 8 servers for security and compliance reasons.

Database Administrator
CG Technology   **June 2016 - March 2020, Las Vegas, NV**

· Performed large-scale database design, implementation, and administration of 50+ MySQL and 20 + MSSQL Server 2016 nodes.
· Developed a backup and disaster recovery methodology in compliance with Nevada Gaming Control regulations and engaged in monthly restoral dry-runs of 70 + databases.
· Database replication and slave set up in a highly-available, 24/7/365 environment.
· Performance-tuning of MySQL servers and optimization of SQL queries while supporting a team of 12 developers.
· Led the data conversion project from MySQL to SQL Server 2016.

Consultant
Scott Vranesh-Fallin Consulting   **January 2002 - Present, Las Vegas, NV**

· Engaged in contract-based PHP and Ruby programming for a portfolio of 10 clients.
· Engaged in contract-based system administration for a portfolio of 8 clients.
· Engaged in contract-based network penetration testing for a portfolio of 4 clients.

PHP Programmer & MySQL DBA & System Administrator
DMA Financial   **May 2011 - April 2016, Las Vegas, NV**

· Supported and modified a 250,000 line PHP codebase.
· Tasked with the administration and security of 100+ Linux nodes at the firm's height.
· Updated all MySQL databases to new hardware with zero data loss or downtime.
· Maintained a 99.96% uptime average during my 6-year tenure with the firm.
· Large-scale database design, implementation, and administration on 25 + MySQL nodes.

Senior System & Security Administrator
eVital Communications   **February 2006 - June 2007, Las Vegas, NV**

· Maintained a network of 30 + Linux and FreeBSD servers in support of a 24/7 content delivery system and render farm.
· Designed and implemented a security and incident response plan for a 50 person company.
· Wrote 3 scripts allowing for adaptive firewall ruleset generation in IPTABLES and PF.
· Supported a development team of 17.

Network Security & Systems Administrator
Development InfoStructure   **February 2001 - June 2002, Arlington, VA**

- Designed and implemented a secure Linux-based network upon which 3 Federal government websites and network services are hosted.
- Developed a security policy paper utilized by 2 Federal agencies.
- Maintained and secured 100 + nodes.

PROJECTS

Published in O'Reilly & Assoc. "Spidering Hacks"

- Wrote an article and accompanying Perl code called "Finding Blogs of Interest" that appeared on page 270 of "Spidering Hacks".

Founder and Principal Developer, khaOS Linux

- khaOS Linux was a security-oriented distribution of the Linux operating system with a focus on cryptographic components and communications -- Recognized for achievement in an article in "Linux Journal", Issue 69, page 12, January 2000.

Volunteer

Habitat for Humanity · March 2004
- Volunteered to help renovate a house, during which time I managed a team of 4

Volunteer

Shanti Project · November, 1992 - March, 1997
- General Office Clerical Work and Meal Delivery

EDUCATION

Associate of Arts in Interdisciplinary Studies in Letters and Sciences

Chabot College · Hayward, CA · 1986 · 3.82 GPA

SKILLS

Technical Skills: BASH, Ruby, Python, C, PHP, JS, HTML, CSS, XML, JSON, Docker, Jenkins, Ansible, MySQL, SQL, RedHat and Debian Linux, Solaris, MacOS, Windows, Asterisk

Fields of Interest:

Programming and Database Administration