

Shannon Prickett
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Linux / BSD System Administrator
with a focus on high-availability production environments.
Competent and calm troubleshooter.
Experienced in migrations to, between & from the Clouds.

System Administration Skills:
Expert in: Kubernetes, Linux, BSD, AWS, GCP, web serving,
DNS, configuration management tools, system orchestration
tools, software firewalls.

Relational Database Administration:
Expert in: PostgreSQL, MySQL
Skilled in: CockroachDB

Non-relational Database Administration:
Expert in: DynamoDB, elasticsearch, kafka
Skilled in: MongoDB, redis

Administrative Tasks:
Expert in: User account birth to death cycle, Server birth to death
cycle,
Operating System install and configuration, Install and configuration
of monitoring and managing software, System monitoring and ongoing
management, Hardware and software troubleshooting,
System deploy planning, Network security planning and auditing,
Designing scalable system architectures, Cloud infrastructure
and Service management.
Skilled in: Security hardening systems, Vendor management.

Software Development Languages:
Expert in: bash and relatives, HTML, Perl5, Perl6, Python, Ruby,
SQL, YAML, HCL.
Competent with: C, Go, Java, JavaScript, Node, XML.

Software Development Tools:
Expert in: Perforce, Subversion, Mercurial, Git, monotone,
vi[m] editor, GNU Compiler Collection, gMake (GNU Makefile utility),
xUnit (unit testing frameworks), CloudBees
Integration server, docker, vagrant, virtualbox.
Competent with: Ant, Emacs editor, IntelliJ IDEA, NetBeans IDE,
XP development methodology, Eclipse, Scrum-flavored Agile.

Employment History:

Senior System Reliability Engineer

Tenable: securing vulnerable networks.

Architect & maintain highly available sites in the cloud for global customers while applying FedRAMP Moderate controls.

- * Reduced vulnerability mitigation intervals 90% through architecting a Kubernetes operator with AWS integration.

- * Mitigated auditor findings to maintain certifications over multiple audit cycles.

(Columbia, MD) October 2019 – present

Senior Infrastructure Engineer, Monetization

Unity Technologies: democratizing creation of powerful and engaging experiences.

Introduce and reinforce best developer and environment practices.

<https://unity.com/>

(San Francisco, CA) October 2018 – October 2019

- * Improved availability of kafka cluster 30% with automated deploy and recovery tooling.

- * Reduced error risk to production environments 85% by deploying temporary production access tooling.

Member of Technical Staff

McAfee: securing data from your device to the cloud

Integrate and scale existing McAfee technologies with SkyHigh

Network's products. <https://www.mcafee.com/>

(Santa Clara, CA) January 2018 – October 2018

- * Reduced MTTR from outage situations 20% through extending existing tooling.

- * Maintained FedRAMP compliant status for full production environment in AWS govcloud.

- * Reduced environment spin up time 800% through integrating automation with existing produce release flows.

Senior DevOps Engineer

SkyHigh Networks: illuminating and securing the use of cloud services.

<https://www.skyhighnetworks.com/>

Architect and support large data environments.

(Campbell, CA) January 2014 – January 2018 (acquired)

- * Designed and deployed AWS GovCloud environment for FedRAMP compliance.

- * Designed and deployed encrypted cloud storage for database backups.

- * Reduced wasted hardware operating expense 40% by re-architecting existing bare metal deploys to multi-vendor cloud environments.