Jason **Ross**

Systems Engineer

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Summary

As a Systems Engineer, I specialize in designing complex systems to ensure application performance and reliability. I am able to diagnose and quickly resolve performance issues by understand the underlying components and how the operate together as a system. I have spent 2 years on a software engineering team to broaden my understanding of how the application fits in the overall system.

Work Experience

Viasat, Inc *College Station, Texas*

IT Systems Architect *Dec 2011 - PRESENT*

- Responsible for design and execution of all operations projects, including tasking of 6 person team
- Developed customer service chatbot as part of devops team responsible for ML/AI, fulfillment, and deployment pipeline
- Managed the migration of onprem systems to both public and private cloud
- Designed data flow for Elasicsearch cluster with 120 GB daily ingest
- Maintain 15 second reads from Elasticsearch cluster with 20 TB of data
- Managed upgrade of 5 TB MySQL DB through 4 intermediate versions
- Replaced process from manual setup of servers with puppet configured servers
- Managed growth of network and systems from 5 mpbs peak to 200 mbps
- Implement storage solutions with sub millisecond latency for critical DB
- Designed PCI compliant isolated payment process to limit scope and attack surface
- Implemented network and system isolation to protect customer data
- Implemented process isolation to ensure system availablility

Networking and Information Security, Texas A&M University *College Station, Texas*

Senior IT Associate *Jan 2010 - Dec 2011*

- System Administrator for Network Team
- Designed and Deployed monitoring system for campus network to provide trending and status on 10,000 switchports
- Maintain campus wide DNS and DHCP services
- Maintain radius and nat systems for campus wireless
- Audit security of campus VoIP systems

Certifications

| Sept 2018 | **Red Hat Certified Engineer** | *Cert ID: 150-162-055* |
| Sept 2018 | **Red Hat Certified Systems Administrator** | *Cert ID: 150-162-055* |

Skills

Languages	Python, Perl, Bash
Software/Systems	Elasticsearch, MySQL, MariaDB, Openstack, AWS, Redis, Rabbitmq, Nuage
Hardware/Vendors	Cisco, F5, Nimble, Dell, Supermicro, Mikrotik

Education

Texas A&M University *College Station, Texas*

B.S. in University Study *Dec 2009*

- Concentration: Telecommunicaitons Technology
- Minor: Communicaiton
- Minor: Music