

# 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.

## Work Experience

### Viasat, Inc

IT SYSTEMS ARCHITECT

Bryan, Texas

Dec 2011 - PRESENT

- Responsible for design and execution of all operations projects, including tasking of 6 person team
- Managed the migration of all systems from hardware to openstack private cloud, including Nuage SDN
- Designed data flow for Elasticsearch 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 mpbs
- 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 availability

### Networking and Information Security, Texas A&M University

SENIOR IT ASSOCIATE

College Station, Texas

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

B.S. IN UNIVERSITY STUDY

College Station, Texas

Dec 2009

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