

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 understanding the underlying components and how they operate together as a system.

Work Experience

Viasat, Inc

Bryan, Texas

IT SYSTEMS ARCHITECT

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 mbps 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 availability

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: Telecommunications Technology
- Minor: Communication
- Minor: Music