

Jason Ross

SYSTEMS ENGINEER

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Work Experience

IT Systems Architect

College Station, Texas

VIASAT, INC

Dec 2011 - PRESENT

- Facilitated engineer development through oversight and mentorship
- Responsible for design and execution of 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 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

Senior IT Associate, Networking and Information Security

College Station, Texas

TEXAS A&M UNIVERSITY

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 2015 **Red Hat Certified Engineer**

Cert ID: 150-162-055

Sept 2015 **Red Hat Certified Systems Administrator**

Cert ID: 150-162-055

Skills

Languages Python, Perl, Bash, Java

Software Elasticsearch, MySQL, MariaDB, Redis, Rabbitmq

Systems Docker, Kubernetes, Openstack, AWS

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: Communication
- Minor: Music