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 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

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*
Jan 2021	**MikroTik Certified Network Associate**	*Cert ID: 2101NA8562*
Jan 2021	**MikroTik Certified Routing Engineer**	*Cert ID: 2101RE8620*

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 Studies   *Dec 2009*

- Concentration: Telecommunicaitons Technology
- Minor: Communication
- Minor: Music