Steven Viola

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KEY SKILLS

AMQP	RPMs	Git	HAproxy	Apache	C/C++
Openstack	Linux	FFmpeg	Nagios	MySQL	Python
AWS	Docker	HLS	Sensu	PHP	JSON
Xen	Bash	RTMP	Collectd	Node.js	XML
Puppet	TCP/IP	Varnish	Cacti	Javascript	LaTeX

EXPERIENCE

Senior Systems Engineer — New York, NY
Critical Media — February 2013 — Present

- Responsible for several core systems used for recording, transcoding, and editing digital video
- Lead a team to develop features for FFmpeg to add the capture of video and closed captioning from HD-SDI video cards, to be used in hundreds of production studio environments within North America
- Rearchitected core infrastructure to be deployed in an automated and scalable fashion within AWS & Rackspace
- Created a Speech to Text infrastructure using AMQP for queueing jobs, and Puppet to configure the cluster
- Designed and implemented a monitoring platform within Google App Engine, to detect and address issues that occur with the capture of thousands of television and radio channels
- Deployed an Openstack infrastructure for the easy creation and maintenance of virtual machines
- Created and maintained custom Yum repositories and built RPMs for production code releases

Systems Engineer — New York, NY
Critical Media — April 2011 — February 2013

- Participated in the designing and development of software using agile development practices
- Developed several backend systems that are compartmentalized and scalable, exposed through a set of APIs
- Heavy use in Open Source Software, such as FFmpeg, for the recording and editing of broadcast television
- Designed software to record and edit High Definition video, expanding the features of the product

Technical Operations Administrator — New York, NY
Critical Media — August 2010 — April 2011

- Maintained thousands of Linux Systems in Colocation Datacenters
- Involved in a large datacenter migration within New York City
- Built and configured servers used for the recording of Television throughout the world

Technical Media Operator — Binghamton, NY
EngiNET — March 2007 — May 2010

- Digital recording of Graduate Engineering courses for Internet distribution
- Responsible for training new employees with various aspects of the infrastructure
- Maintained, upgraded, and repaired Autopatch Routers, Distribution Amplifiers, and Crestron Systems

AWARDS

Bit Torrent App Developer Challenge — First Place
Bit Torrent Inc. — September 2010

- Used Bit Torrent's SDK and the Jamendo API to create an app used to discover and download free and legal music under Creative Commons licenses

EDUCATION

Binghamton University
Bachelor of Science in Computer Engineering — August 2006 — May 2010