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Profile:

I am extremely passionate about technology, to the extent that most of my free time is either spent building new personal solutions, developing software, learning and exploring new products, or teaching others about technology.

Qualifications consist of over 19 years of personal and professional experience in the field of IT.

- Hardware and Software configuration and management for various applications
- Operating System Support for the following platforms:
 - Microsoft Windows 3.1 -10, Microsoft Windows Server 2000-2012
 - Mac OS X 10.5 -10.14
 - Red Hat, CentOS, Amazon, Debian, Ubuntu, CoreOS, and various other Linux distributions.
- Virtualization platforms:
 - VMWare ESX
 - Microsoft Virtual Server 2005 and Hyper V
 - Various desktop virtualization platforms such as VirtualBox, VMWare Fusion, Parallels, Vagrant
- Docker and support and management Utilities such as: Docker Machine, Compose, and Swarm
- Git migrations from CVS, and SVN to GIT, as well as GIT administration and GIT flow usage
- Python, Bash, VisualBasic, and PowerShell scripting
- Software development (Python/Django/Tornado/Flask)
- Cisco switch, router, PIX, and ASA Firewall Administration
- Jenkins, Groovy DSL Deployment as code
- Ansible, Spacewalk, Yum, and other configuration management software
- Amazon Web Services and Cloud based solution architecting

Experience:

Sr. DevOps Consultant, Amazon Web Services ***Virtual Remote Location, North Carolina – Nov 2018–Present***

Work with and provide DevOps consultant services for enterprise customer base as part of the U.S based AWS Professional Services team.

Duties/Accomplishments:

- Deliver AWS workshops and training on various AWS services
- Work with Enterprise companies across the US helping them implement DevOps best practices and methodologies, as well as helping them to build and train them on, CI/CD workflows and pipelines for new and existing applications.
- Work with customers to assist with Lift and Shift Datacenter to Cloud migrations
- Work with customers to assist in application cloud native redesign efforts
- Work with customers to understand and deliver cloud native infrastructure as code solutions by providing CloudFormation templated deployment scenarios
- Educate customers on Containerization solutions as part of the AWS Containers Area of Depth Technical Feedback Community

Sr. Technical Account Manager, Amazon Web Services *Virtual Remote Location, North Carolina – Aug 2016 - Nov 2018*

Work enterprise customer base as part of the U.S based AWS Enterprise Support team.

Duties/Accomplishments:

- Work with Enterprise customers and support their journey to cloud
- Help customers troubleshoot their applications that have been migrated to AWS
- Help customers explore new AWS services that would enable them to create or change new or existing applications to be standardized in a more cloud native architecture
- Perform cloud security and best practice assessments of customer infrastructures
- Help customers design CloudFormation templates to help further automate architecture deployments
- Handle critical customer support case escalations
- Work with AWS service teams on customer troubleshooting and training
- Deliver presentations and labs to customers on various AWS services
- Member of AWS Container services Area of Depth program
- Help customers with any and every AWS request from vulnerability scanning, to application performance troubleshooting, to educational training.

Lead DevOps Engineer, SciQuest Inc. *Morrisville, North Carolina – Dec 2015 - Aug 2016*

Lead of DevOps team working to construct new build and deploy pipeline for existing application. Implement and support applications and services which facilitate development and CI/CD of our SAS solution.

Duties/Accomplishments:

- Ansible Initiative to replace previous half configured puppet implementation
- Deployment of Docker containers for development, and Jenkins build tooling, Swarm clustering
- Deployment and HA configuration of Gitlab Enterprise
- Project lead on ongoing migration of mixed CVS/SVN SCMs over to GIT
- Jenkins deployment and pipeline DSL job setup and configuration
- Setup Automated deployments of both traditional application stack as well as Docker application stack
- Manage and maintain RHEL 6 / CentOS 7 servers that run various application services

Senior Systems/DevOps Engineer, Marketing Adventure Media *Durham, North Carolina – Dec 2009 - Dec 2015*

Work as part of Engineering/DevOps team to support applications and services which facilitate development, CI, deployment and support of our companies advertising based platform.

Duties/Accomplishments:

- Ansible implementation to manage server and application installation and updates, saving hours off of each update cycle
- Implementation of Docker, and various Docker orchestration tools such as docker-compose, docker swarm, boot2docker, Quay on premise registry and various other management tools

- Rebuild of entire existing platform over to Docker containers. New environment creation time reduced by over 4 hours
- Transition of entire development team over to Docker containers
- CoreOS Docker cluster setup and management
- Jenkins implementation and configuration resulting in full CI/CD to integration environment on commit
- Conversion of many of our internal applications such as Mediawiki, Nagios, Jira and others over to Docker containers to allow portability, ease of upgrade, and repeatable installation and configuration processes
- Strong emphasis on virtualization technologies. Prior to Docker, over 90% of environment was virtualized via VMWare ESX
- Manage and maintain all production, staging, integration, development, and support servers running CentOS/Debian Linux
- Manage and troubleshoot various Linux technologies such as:
 - Apache and Nginx web servers
 - MySQL and PostgreSQL database servers
 - JBoss
 - Gitlab, NodeJS, Zend PHP, and other development platforms
 - FreeIPA, PBIS, Spacewalk, Dogtag and other system administration utilities
 - Squid, Apache, HAProxy proxy/load balancer configuration and maintenance
- BASH, and Python scripting for various tasks such as automated database backups, rsync operations, and application installations
- Manage and maintain Cisco network devices which included but not limited to:
 - Layer 3 Catalyst switches handling both IPV4 routing and general switching
 - Cisco PIX and upgrade to Cisco 5500, 5500 X NGFW series clustered ASA firewall pair
 - Site to site and remote to site VPN
 - Upgrade of Cisco Aironet WAP's to Cisco Meraki WAPs
- Manage and maintain Windows Active Directory environment

Intel Server Engineer, First Citizens Bank **Raleigh, North Carolina – Aug 2008 - Oct 2009**

Work as part of Engineering team to support the bank's Windows enterprise infrastructure, consisting of 300 QA servers and 450 Production servers at the Raleigh datacenter.

Duties/Accomplishments:

- Deployment and configuration of Microsoft Virtual Server 2005, Hyper V and SCVMM virtualization management utilities
- Physical to virtual server migrations as well as Virtual Server 2005 to Hyper V migrations
- Setup, implementation, troubleshooting and management of core network services such as DHCP, DNS, WINS, IIS, and iSCSI connectivity
- iSCSI and Fiber channel, LUN procurement via Windows iSCSI initiator and EMC PowerPath
- Windows Server 2003, 2008 clustering technologies. New cluster setups including cluster groups, resources, and scripts to perform automatic cluster balancing and failover for high availability services
- Automation of various tasks via VB and Powershell

Network Analyst, WSWHE BOCES

Saratoga Springs, New York – April 2006 - Aug 2008

Work as part of educational consulting team to support 31 component school districts with various technological needs. Personally supported 9 school districts on a weekly/bi weekly basis. Duties ranged anywhere from being the one day a week on premise IT administrator, to supporting the on premise administrator with analysis, recommendations, and implementations of new technology in the district.

Duties/Accomplishments:

- Windows Active Directory group policy software deployments and restrictive policy enforcement in various environments
- Support of a wide variety of hardware such as Dell PowerEdge servers, HP ProLiant Servers, IBM Blade Servers, as well as network equipment ranging from 3COM Super Stack III's to Cisco Catalyst switches, Cisco routers, PIX firewalls, and ASA security appliances
- Multi district disaster recovery solutions
- Setup, implementation, troubleshooting and management virtualization technologies via Microsoft Virtual Server, and VMWare ESX
- Provide and support network traffic filtering and monitoring solutions such as Microsoft ISA server and Surf Control
- Implementation, support and troubleshooting of various applications such as Microsoft Exchange 2000 2007, Symantec AV, Ghost, Altiris, Citrix Metaframe, Microsoft Office 2000 2008, Cacti, Nagios, Spiceworks, and various others.
- Multiple Exchange 2000 to 2003 migrations
- Novell Network and Groupwise migration to Windows Active Directory and Exchange 2003

Facility Supervisor / Jr. Network Instructor, New Horizons

Albany, New York – April 2005 - Aug 2008

Responsibilities included management, troubleshooting and maintaining of Microsoft Active Directory environment, Cisco based network infrastructure, and class setup for all classes hosted within the facility.

Duties/Accomplishments:

- Manage Windows Active Directory / Exchange infrastructure
- Windows Server infrastructure migration from 2000 to 2003 replacing every single server with new updated hardware
- Manage Server/PC purchasing and upgrades
- Maintain Cisco based network with site to site VPN tunnel to corporate endpoint
- Taught classes such as Comptia A+, Network+, MCDST, MCSA, and Cisco CCNA courses to adult corporate student base.
- Left FT position in 2006 for WSWHE BOCES, but periodically taught night classes through Aug 2008.

Projects:

Atlantean Software, Nucleus Docker Dashboard
Raleigh, North Carolina – July 2015 - Aug 2016

Small startup team working on creating a real time, collaborative dashboard UI for Docker.

Duties/Accomplishments:

- Architecture installation and configuration, including Jira, Confluence, FreelPA, Gitlab, Nagios with CheckMK,
Docker clustering, Zimbra, Yum, APT, etc..
- Dockerfiles, RPM and DEB packaging for software deployable
- Python scripting, programming
- Developed Python/Tornado based API for the backend platform
- Jenkins, job setup, maintenance used for build/test/compile/package/deploy pipeline

Education:

Suny Adirondack, Queensbury, NY - IT/Computer Networking AAS,
2001-2005

Course load included classes in C++, PHP programming, Microsoft server management, as well as the Cisco network academy curriculum.

Certifications:

- Comptia A++
- Comptia Network+
- MCDST
- MCSA 2003
- CCNA (2006-2009)
- AWS Developer Associate
- AWS Solutions Architect Associate
- AWS SysOps Administrator Associate

Training:

- LogRhythm SIEM
- Certified Ethical Hacker
- CTX-1256 Citrix Presentation Server 4.0 5
- Security+
- Groupwise 7.0 Administration
- Windows Automation & Administration using Windows Powershell
- Architecting and Advanced Architecting on AWS
- Developing on AWS
- Systems Operational Administration on AWS

Conferences:

- Dockercon 2015
- DevCon 2017

Activities:

- Co-Organizer of Raleigh Docker Meetup group
- Manage and Maintain various informational WordPress sites such as <http://www.clusterfrak.com> and <http://www.awsdocs.com> both with corresponding youtube channels with a growing number of in depth informational videos instructing others on how to do various things
- Docker container build contributor with growing shared containers available on the docker hub. My Wordpress and Mediawiki containers have 100K+ downloads, and a few others are in the 40K+ range
- PHP/Python hobbyist development. Wrote 2 php applications as hobbies, as well as python driven application APIs
- Amateur beer brewer
- Hobbyist Ball Python breeder
- Amateur Drone pilot

References:

Available upon request.