

Chuks Okonkwo

7819 Quidditch Lane Elkridge MD 21075
301-821-7570 | chukkso@hotmail.com

SUMMARY OF QUALIFICATIONS-BLABLABLA

Highly Skilled Linux Engineer and DevOps professional with over 8 years of experience in designing, deploying, and maintaining complex Linux-based infrastructures in cloud and on-prem environments. Experienced in ensuring the high availability, security, system administration and tuning of critical systems. Proven track record in managing large-scale server migrations of legacy based Linux systems and critical applications, scripting automation, and collaborating with cross-functional teams to drive process improvements. Adept at integrating DevOps practices to streamline deployment pipelines, enhance system reliability, and foster continuous integration and delivery (CI/CD) workflows. Proven expertise in configuration management, infrastructure as code (IaC), and security automation using tools like Ansible, Rundeck, and Jenkins, GitHub etc., driving efficiency and scalability in fast-paced environments.

EDUCATION

Master of Science in Management Information System	2009
Bowie State University	Bowie, MD

Bachelor of Science in Business Administration	2005
Arkansas Tech University	Russellville, AR

CERTIFICATIONS AND AFFILIATIONS

Linux/Unix

CompTIA Linux+
Linux Professional Institute Certification
SUSE Certified Linux Administrator
ICAgile Certified Professional

Network/Security

AWS Certified Solutions Architect - Associate
AWS Cloud Practitioner
CompTIA Security+
Splunk Certified User 6.x
VMware Data Center Virtualization

TECHNICAL EXPERIENCE

| Configuration Management | vSphere | Virtualization | KVM | iSCSI | SNMP | DNS | DHCP |
Git | Python | Ansible | Splunk | Vulnerability Remediation | Confluence | Jira | AWS | Azure |

Operating Systems: RedHat (RHEL) 9/8/7/ SUSE, Ubuntu, CentOS, Solaris, Windows Server

Web/Application Server: Apache, MongoDB, MySQL, PostgreSQL, Nginx, HANA DB, Citrix

DevOps: Jenkins, Kubernetes, Docker, GitHub Actions, Ansible Tower (AAP), GitLab

Tools: VMware (vSphere), Nagios, RunDeck by pager duty, Tenable

Networking: NFS, AutoFS, Samba, SQUID, FirewallD, InfiniBand, HAProxy

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RELATED PROFESSIONAL EXPERIENCE

Booz Allen Hamilton

Associate | Lead Linux Systems Engineer

2016 - date

As a contractor for the Managed Service Team, I started off with process improvement tasks followed by the mitigating vulnerabilities across the Linux server fleets for the team. I also ensured web server traffic were secured with SSL certificates and championed their management. Deployed Linux Citrix Virtual Desktop (VDI), for use with client and engineers, allowing for a secure managed customizable controlled desktop experience for use by diverse team each with unique use cases. I collaborated with teammates on time sensitive projects such as migrations and maintenance activities. On becoming a permanent employee, I took on larger unsupervised projects taking on tasks previously handled by current teammates. I championed automation where possible with server deployments and of tasks using available tools - Rundeck and Ansible. I eventually became the Team Lead of the Managed Services unit.

Booz Allen Hamilton - Key Contributions:

- Spearheaded the migration of Linux On-Prem systems to AWS.
- Scripted test cases for use by application engineers on client Applications and Database stacks on Linux systems. Similarly, automated post patch tests for use across over hundreds of client servers using personal Ansible playbooks while providing logging.
- Apply security hardening baseline configs/setting to servers using Ansible playbooks.
- Migrated fleet of servers from one network to another while upgrading the underlying OS for continued long term functionality.
- Led and executed database declustering and migration efforts migrations from various Linux based platforms to another (SUSE to CentOS), leading to cost savings in licensing.
- Automated important maintenance activities and test cases with scripts to ensure consistency and ensured the reusability of scripts with other tools and applications.
- Using config management tools enforced the strict control and security of config files, user access and application functionality preventing configuration drifts.
- Championed the creation of security dashboards for the easy viewing of systems with critical security vulnerabilities.
- Ensured the continuity of critical database applications by designing, enforcing and testing system availability in downtime situations.
- Acted as immediate escalation point for troubleshooting Confluence and Jira applications issues in the team regarding new feature requests, upgrades and enhancing user experience among others.
- Installed and championed the use of Rundeck for the automation of engineering and client tasks.
- Automated the build deployment of Citrix VDIs – tested version upgrades and worked with vendors to provision VDI templates used for easy deployments on VMware vSphere and Ansible
- Setup and maintain Machine Learning clustered environment for data scientist to run ML tasks/jobs on Nvidia GPUs.

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Nomad Digital

Linux System Engineer

2015 – 2016

Consulted with field and test engineers to ensure reliable data center communications with fleet's end to end core applications. Ensured the availability, reliability and the maintenance of passenger Wi-Fi and passenger information systems via remote condition-based monitoring. Provided managed services maintenance solutions to optimize operational performance, data security and integrity.

Key Contributions:

- Worked with field engineers to test, deploy and configure software and hardware-based firewall rules for fleet equipment's communication to data center reporting systems.
- Assisted developers with application upgrades in both dev and production environments
- Led fleet to data center media syncs with field engineers and assisted with network load testing in fleet data center environments.
- Designed and Implemented High Availability for web servers using HAProxy, and for MySQL using Keepalived and writing reliable MySQL backup scripts.
- Initiated the setup of a dashboard-based monitoring system (PRTG), granting helpdesk agents real time fleet monitoring of key infrastructure services.

HP

Linux System Administrator / Reliability Engineer

2014 – 2015

In the advent of the healthcare.gov project, collaborated with engineers in a cross-functional environments to monitor, optimize and assist technical SME from different levels of government to successfully host and transfer Healthcare.gov to HP data center infrastructures. Provided on site RedHat Linux support, troubleshooting and ensuring 99.9% uptime hosted apps in a NOC style environment.

Key Contributions:

- Collaborated with developers to implement periodic website changes on production, test and development instances.
- Provided coordination support between networking, enterprise applications and development architecture teams.
- Used HPSA to manage, configure, deploy changes and patch roughly 2,300 RHEL based HP servers.
- Provided onsite monitoring and performance tuning on tomcat-based web servers, in addition to ensuring high availability among load balanced clusters.
- Participated and contributed to daily change control meetings: defining detailed action plans, critical tasks and dependencies as they affect other key services and stake holders.

Affiliations

Toastmasters International
Enactus

References. Available Upon Request