**AWS CLOUD ENGINEER/LINUX ENGINEER**

**OBJECTIVE**

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Experienced Engineer with knowledge in analyzing and finding cost-effective solutions to maintaining both on premise and cloud-based systems. Proficient at monitoring performance and increasing productivity by establishing goals and meeting deadlines. Excellent interpersonal skills with experience collaborating with teams to productively troubleshoot and resolve challenging technical issues with exposure to cloud services for automation, deployment, and performing version control on sandbox and production servers. Seeking a challenging and rewarding position in a dynamic environment that will utilize my skills and experience, to encourage growth and excellence.

**PROFESSIONAL SUMMARY**

* AWS System’s Architect/ Linux Engineer with 9+ years’ experience with architecture/design and deployment of solutions utilizing bare solutions, Amazon Web Services and VMWare.
* Hands-on experience with most layers of AWS integration and migration of existing bare metal solutions into virtualized hosting environments utilizing S3, Storage Gateway, VM Import/Export, ELB and Auto Scaling with Cloud watch metric integration.
* Setting up databases in AWS using DynamoDB, Aurora, RDS including MYSQL, MariaDB, and PostgreSQL.
* Create Ansible Playbooks to provision and update Apache Webservers, Tomcat servers and other web/application Servers: JBOSS, WebLogic and Nginix.
* Experienced in administration of production, development and test environments supporting Red hat 5.x/6.x/7.x/8.x, Centos 5.x/6.x/7.x/8.x, Ubuntu.
* Configured and maintained DNS systems using Route53.
* Experience with understanding of the principles and best practices of Software Configuration Management (SCM) processes which include compiling, packaging, deploying and application configurations on Linux platforms.
* Experience with monitoring tools such as Site24x7, New Relic and Nagios
* Experience with ticketing systems such as ServiceDesk, ServiceAide, ConnectWise and Service Now.
* Virtualization Services: VMWare (vSphere, vCenter, ESX/ESXi 4.x, 5.x)
* Networking Concepts: HTTP, SSL, FTF, SFTP, UDP, TCP/IP, DHCP, EIP, Proxy Server, Route53, VPC, NAT Instance, NAT Gateway, Bastion Host and VPC Peering.
* Automation Tools: Ansible, Ansible Tower, Jenkins CI/CD
* Version Control Tools: Git Repository, Github, Gitlab
* Self-motivated, team-oriented professional who can work independently, and is confident on my ability to quickly learn and implement modern technologies.
* Proficient in building and deploying applications by adopting DevOps practices such as Continuous development, Continuous Integration (CI) and Continuous Deployment (CD)in runtime with various tools like Git, Visual Studio Code, Ansible, Terraformand managing cloud services in the AWS cloud platform.

**EXPERIENCE**

**Infrastructure Engineer**

**Blue Cross Blue Shield December 2021-Present**

* Deployed, monitored, and managed RHEL 6, 7, and CentOS-based infrastructure.
* Experienced in provisioning instances through CloudFormation and virtual servers.
* Experience with virtualization using VMware ESXi, vSphere client, and vCentre.
* Collaborated with Red Hat Satellite Team, Change Management Team, and Application Team to perform patches weekly.
* Created, maintained, and synchronized YUM/RPM repos and performed managing, installing, and, upgrading software packages using YUM and RPM.
* Experienced in provisioning, patching, and maintaining virtual servers through Red Hat Satellite, opened and resolved tickets related to system performance with Red Hat.
* Participated in cloud migration of bare metal servers.
* Decommissioning of Linux servers.
* Ensured routine backups which used backup tools like rsync, tar, snapshots, and NetBackup.
* Managed network connections using tools such as iptables, Firewall, SELinux and monitored network traffic/issues using wireshark and tcpdump.
* Troubleshooting and resolving critical OS incidents pertaining to performance/sluggish server, Network, NFS shares, File system, etc.
* Used Shell scripts to automate, customize, and administrate repetitive administrative tasks.
* Scheduled Cronjobs to monitor and maintain system activities.
* Automated the Configuration/management of various services such as DHCP, HTTP, SSH, NTP, NIS, DNS, MySQL, NFS, etc; using Ansible.
* Configured SSH key-based authentication and resolve issues associated with SSH service.
* Experience with storage systems (SAN, NAS, DAS, ISCSI) and configured storage management using LVM.
* Used Ansible ad-hoc commands and playbooks to automate and perform user management, patches, system monitoring, software installation, and configuration.
* Coordinated with DevOps engineers to build Docker containers, moving monolithic apps to microservices, enhancing developer workflow, increasing scalability.
* Experience managing Docker repository, files/compose, images, and running containers.
* Used Kubernetes for container orchestration and management.
* Managed playbooks, scripts, Docker files/images, and application configurations files using GIT.
* Working knowledge of GIT, pulling/pushing, cloning, branching, and merging.
* Worked with Jenkins CI/CD servers.
* Managed and monitored cloud infrastructure (AWS) in TEST and QA environments using CloudWatch.
* Provisioned EC2, S3, EBS, EFS, ELB, configured IAM, and managed access and permissions using roles.
* Used Prometheus to monitor network parameters and server resources maintaining uptime of 99.7%.
* Collaborating with application, database, break/fix, and security teams to find effective solutions.
* Provided cost-effective, secure, and fit-for-purpose solutions as per needs.
* Experienced in designing and documenting SOPs (Standard Operating Procedures) for system administration activities.
* Provided on-call/weekend support and resolved tickets through ServiceNOW.

**AWS Cloud Engineer/Linux Engineer**

**Finance of America October 2017-December 2021**

* Responsible for architecting, designing, implementing, and supporting cloud infrastructure and solutions.
* Provide hands-on technical support related to the overall health and maintenance of the cloud environment in support of 24x7x365 operations.
* Hands-on experience with managing Amazon services like VPC, EC2, CloudWatch, ELB, CloudTrail, CloudWatch, RDS, Route53, Elasticache, ECS, Lambda, Autoscaling, Redshift, Direct Connect, EMR, OpsWorks, EBS and IAM.
* Experience in AWS-Infrastructure as a Service (IaaS) and Platform as a service (PaaS)
* Experience in guiding the classification, implementation, growth, and compliance to enterprise architecture strategies, processes, and standards.
* Automated front-ended platform into highly scalable, consistent, repeatable infrastructure using a high degree of automation using Ansible and Cloud Formation templates.
* Create S3 buckets, managed policies and capabilities to append metadata tags to objects, move and store data across the S3 storage classes, configure and enforce data access controls, secure data against unauthorized users, run big data analytics, and monitor data at the object and bucket levels.
* Provide systems administration (implementation, management, operational support) and technical expertise for Red Hat Linux systems, including provisioning, installing, configuring, tuning, operating, and maintaining systems hardware and software and the related infrastructure.
* Manage and support full application stacks from the OS through custom applications using Amazon cloud-based computing environment.
* Analyzing and monitor performance and key metrics to optimize software and system performance.
* Knowledge of deploying and building system uptime through patches upgrades and updates using tools like RPM and Yum and System manager.
* Perform system analysis, logs file reviews and resolving software issues related to networking connectivity, servers, and audits to meet business requirements.
* Assist in the research, evaluation, testing, selection, procurement, implementation, maintenance of new systems and ensuring systems meet PCI compliance requirements.
* Proficient at migrating on premises services to AWS cloud for hosting which involve creating a decoupled environment, eliminating SPOF’s and implementing elasticity by using services such SNS, SQS, Route 53 and SWF.
* Assist in the research, evaluation, testing, selection, procurement, implementation, maintenance of new software/hardware/systems and ensuring systems meet PCI compliance requirements.
* Highly organized and detail-oriented planner with the ability to prioritize deadlines while communicating directly to all levels of management and teammates.

**Cloud Engineer/Linux Engineer**

**TESSCO Technologies, Timonium, MD February 2014-October 2017**

* Provided hands-on technical support related to the overall health and maintenance of the Linux operating environment in support of 24x7x365 operations.
* Working with development team to assist engineers design a scalable, reliable, and resilient application running in the AWS Cloud environment.
* Plan and contribute to the deployment of Cloud solutions in production and testing environments.
* Practical experience in deploying pre-installation testing of both software and hardware tools

to ensure smooth system installations using templates for rapid and mass deployment.

* Performed Linux system installation, configuration and administration.
* Configured Kickstart to perform Red hat installation, ensuring that configuration and server hardening are compatible with security.
* Experience building LAMP stack and configuring Apache Virtual hosts (Name and IP).
* Executed troubleshooting techniques geared at diagnosing common Linux system issues and records system output to ensure continuous uptime.
* Knowledge of system protection and hardening by using tools like iptables, SElinux and tcpwrappers to ensure system availability and data protection.
* Knowledge of deploying and building system uptime through patches upgrades and updates using tools like RPM and Yum.
* Utilized crisis management techniques to resolve matters of significance and implement corrective course of action as needed.
* Performed installations, configurations, performance testing and upgrading of system files and services.
* Built and configure Virtual Linux Servers using ESXi and vSphere Client to ensure system optimization, management, and availability needs.
* Experience with Netapp storage (ISCSI luns to attach server to Netapp storage).
* Disk management using LVM and Volume Groups and Physical Volumes.
* Utilized and configure Kernel Based Virtual Machines on Red hat Enterprise Servers.
* Knowledge in System Administration Automation frameworks such as Ansible.
* Initiating alarms in CloudWatch service for monitoring server’s CPU utilization, memory usage, disk usage and created dashboards to take recommended actions for increased performance.
* Worked on JIRA for defects/issues logging & tracking and documented all setup procedures, system related policies (SOP’s) and service level agreement (SLA) in Confluence and ITGlue.
* Strong verbal and communication skills due to the dynamic nature of collaborations with customers, vendors, and other member of engineering team members.

**EDUCATION**

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**Bowie State University**

Bachelor of Science in Psychology

**Certification**

AWS Certified Cloud Practitioner