***Ahsan Shad***

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*917-724-9845*

I am a systems engineer with over six years of experience in administering Linux-based operating systems, including Debian/Ubuntu, Fedora/RHEL 6/7/8/9, and CentOS 6/7/8. My expertise lies in automation, deployments, and working with legacy on-premise and cloud-based environments. I have a strong background in building, orchestrating, monitoring, and troubleshooting environments across operating, infrastructure, and application levels, utilizing server and serverless technologies through containerization. Additionally, I have a proven track record of providing client-facing and internal production support.

I am highly skilled in adapting to different working models, environments, and tools, and I am results-oriented and driven to deliver corporate solutions that optimize production flow in response to business demands. As a motivated individual and team player, I am always eager to learn and stay updated with the latest technologies. My focus is on delivering reliable solutions and bringing efficiency to production processes, and I am committed to contributing to the success of projects in any professional environment.

**Capital One   
NY, New York**

April 22, 2019 - Current

**Linux System Engineer**

* Worked in Production support environment and resolution of complicated issues that arise during the process.
* Experienced in Automating, configuring and deploying instances on AWS, also familiar with EC2, Cloud Watch, Elastic Search and managing security groups on AWS.
* Building and configuring the network infrastructure within VPC with public and private subnets, configuring routing tables and internet gateway.
* Create, extend, reduce Logical Volume Manager (LVM). Advanced disk management, testing disk performance and adjusting disk parameters.
* RPM and YUM package installations, patch, and other server management.
* Creating and managing SSH keys for users and systems for password-less access.
* Experienced configuring SSH / OpenSSH, familiar with SCP, ssh-copy-id, ssh-keygen and SFTP.
* Experienced in operating and maintaining the Linux filesystem.
* Experienced in creating, configuring filesystem options, checking file system errors, tuning filesystems and manipulating swap space.
* Good understanding of OSI model, TSP/IP protocol suite (IP, TCP, UDP, SMTP, FTP, and TFTP).
* Troubleshooting Network, memory, cpu, swap and file system issues, TCP/IP, NFS, DNS in Linux.
* Troubleshooting Production Server Problems related to web applications, sendmail, disk space, file system management, process management, and server reboots.
* Monitoring system resources, logs, disk usage, scheduling backups and restore.
* Managing systems routine backup, scheduling jobs like disabling and enabling cronjobs, enabling system logging, network logging of servers for maintenance, performance tuning and testing.
* Managing IAM for creating users and groups including granting access to AWS services through IAM permission policies.
* Assigning permissions, roles and policies to specific users as well as assigning roles to AWS services such as EC2.
* Creating S3 buckets and assigning storage classes for various objects
* Managing S3 buckets storage classes manually and through object life cycles policies.
* Maintaining and creating backups using Rsync and SCP.
* Creating Ansible playbooks for configuring and deploying virtual servers through the use of Ansible modules.
* Configuring Ansible playbooks for automation of environmental tasks.
* Creating Ansible playbooks for specific services and operations such as NFS file shares, web server applications such as HTTP, HTTPS etc.
* Experience in integrating ECR with container orchestration tools such as Kubernetes to streamline deployment workflows and ensure the availability and scalability of containerized applications.
* Created ECR repositories to store and manage container images.
* Pushed and pulled container images to/from ECR using Docker CLI or SDKs.
* Worked with Kubernetes to configure and deploy Docker containers.
* Configured and managed Kubernetes resources such as pods, deployments, and services.
* Created and managed Terraform modules to reuse and share infrastructure code across projects and teams
* Used Terraform to manage infrastructure resources like virtual machines, databases, load balancers, and security groups.
* Managing repositories of scripts and playbooks using Git.
* Experienced in Git and GitHub
* Deployed, configured and managed VMWare ESXi virtual machines.
* Configuring DNS servers, creating forward and reverse zones, and managing resource records.
* Team player with excellent interpersonal skills, self-motivated, dedicated and understanding the demands of 24/7 system maintenance.

**Walmart  
New York**

February 6, 2017 - April 12, 2019

**Linux System Administrator**

* Working as a member of the UNIX team, actively worked on RedHat Linux servers in handling requests for maintaining uptime and infrastructure.
* Proficient in AWS services like VPC, EC2, S3, ELB, AutoScaling Groups(ASG), EBS,RDS, and
* Route 53, Cloud Watch, Cloud Front, and Cloud Trail.
* Involving in system capacity planning and troubleshooting issues related to new builds, performance and troubleshooting responsibilities.
* Installation of Centos and/or RHEL 6, 7, 8, and 9. Ubuntu, Fedora and Amazon Linux.
* Proficient experience in using and configuring RedHat Satellite servers, Yum repositories and Troubleshooting activities.
* Worked on Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as Ansible, Cloud Formation and Cron.
* Experience in real time monitoring and alerting of applications deployed in AWS using Cloud Watch, Cloud Trail and Simple notification service.
* Managed GIT version control system in creating branches, tags and merge.
* Experience in writing Bash Shell Scripts to automate the administrative tasks and management using Cronjobs.
* Performed Disk Management with the help of LVM (Logical Volume Manager).
* Templated AWS infrastructure in code with Terraform to build out staging and production environments.
* Diagnosing and resolving systems related incidents in accordance with priorities setup in dealing with trouble tickets.
* Installing and configuring Apache and supporting them on Linux production servers.
* Experience in providing day to day user administration like adding/deleting users in local and global groups on Red Hat Linux platform.
* Installing, configuring and maintaining DNS servers, FTP servers and NFS on Redhat Linux and CentOS.
* Support GUI and autofs mounts, installing packages using yum and AD authentication on Linux.

**Skills:**

AWS, Terraform, Kubernetes, Databases, Application, Monitoring, Docker, Installation, Deployment, Hypervisor, Snapshots,, FTP, TFP, HTTP, HTTPS, DNS, DHCP,Ansible, Ansible Roles, Ansible Docs, Playbooks, Automation, Shell Scripting, HP Servers, Dell Servers, Cisco Servers, ILO, DRAC.

**Education**:

Bachelor’s Degree (BS) in exercise science- December 2019

Brooklyn College

2900 Bedford Ave. Brooklyn, NY 11210

(718) 951-5000

Regents Diploma -June 2014

Midwood High School

2839 Bedford Ave, Brooklyn NY 11210

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