Mohammad S. Suha   MSuha.Devops@gmail.com
Staten Island, NY   347-671-7282

Summary:

Motivated, and passionate DevOps Engineer with **8 years of professional experience** and hands-on expertise in Linux/Unix systems and Devops Tools. Experienced with AWS and Azure Services. Strong knowledge in Docker as a containerization tool, Terraform for Infrastructure as Code, Git/GitHub for source control management, Kubernetes as an orchestration tool, and Ansible as configuration management. Extensively worked on Agile Scrum based projects. Collaborative and communicative individual, seeking to advance my skill set as a Devops engineer and help implement success into any of my companies' projects.

Technical Skills:

AWS, Microsoft Azure, GCP, AWS Devops, Azure Devops, AWS Code Build, AWS Code Pipeline, Linux, Red Hat, Centos, Ubuntu, Ansible, Terraform, Docker, Kubernetes, Git, GitHub Actions, GitLab, Jenkins, Amazon EKS, Microsoft AKS, Bash, Jira, Confluence, Visual Studio Code, VMWare, DataDog, Prometheus, Splunk, Datacenter, Docker Hub, Firewalls, Load Balancer, Apache, FTP, TFTP, NFS, HTTP, HTTPS, AWS (EC2, S3, EBS, IAM, ASG, VPC, Security Group, ELB & more), Security, Secrets, Manifest files, Vaults, Hashicorp, Helm Charts

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Professional Experience

DevOps Engineer   **March 2017 – February 2023**
T-Mobile - Bellevue, Washington

- Managing, Configuring, and Provisioning of **AWS Cloud**, some environments in **Azure/GCP**.
- Setting up IAM users, Applying Policies and Roles for users and groups management.
- Created and worked with multi-region/multi-zoned EC2 instances for High Availability.
- Provisioned S3 buckets, using various Storage Classes, configuring Lifecycle Policies and Replication Rules in order for efficient object management and data retention.
- Implemented backups using Lifecycle Manager and EBS snapshots for persistent storage.
- Setup Virtual Private Clouds (VPC's) and specified subnet configurations, CIDR Values, Routing Tables, Firewalls, Internet/NAT Gateways, and VPC-Peering Connections.
- Setting up DNS using route 53 and working with different records (A,AAAA,CNAME).
- Setting Up SNS and SES to send notifications from publishers to subscribers.
- Monitored AWS Infrastructure, through CloudWatch Metrics, CloudTrail and Prometheus.
- Utilized Operational Monitoring, and CloudTrail Logs for security and API Activity.
- Integration with AWS services for **EKS** clusters using **GitHub Actions/GitLab**.
- Hands on experience in EKS, EC2, VPC peering, CloudFormation, CloudWatch on AWS.
- Hands on Experience with IAC tools such as **Terraform**, and CloudFormation.
- Helped migrate **CloudFormation** to Terraform for multi-cloud initiatives within organization.
- Created **Terraform** resources on AWS, Azure and GCP following best practices.
- Created Terraform modules in **Git repositories** for other developer teams.

- Automated Terraform deployments in Development, Testing, and Production environments utilizing AWS Devops/GitHub Actions for pipelines and Git for code management.
- Provisioned and Created Resources through **Terraform** such as EC2 instances, S3 Buckets, VPC's (Virtual Private Cloud), Security Groups, RDS, Route 53, EKS, and IAM.
- Updated vars.tf and terraform.tfvars to store and define variables to diversify terraform scripts.
- Configured encrypted S3 backends for secure storage of our infrastructures state files.
- Created **Ansible Playbooks** for Automation and Configuration Management purposes.
- Worked on Ansible Playbooks, updated Inventory files, and utilized Modules.
- Assigned variables and conditionals in playbooks for deployment in live environments.
- Experience with **Ansible Integration** with cloud providers such as AWS, Azure, GCP.
- Proficient in writing ansible playbooks in association with configuration management requests.
- Created Playbooks for Configuring Firewall Rules, Chronyd, Nginx, on multiple environments.
- Built dynamic playbooks to simplify complex tasks and resolve package and dependency.
- Created Ansible Roles, Handlers, and Templates to create Dynamic Ansible playbooks.
- Created Ansible playbooks to deploy and install LAMP stack servers using Ansible roles.
- Proficient in Ansible commands and ad-hoc tasks on our Unix based servers.
- Helped migrate from on-prem **Docker compose** to **AWS EKS** and **Azure AKS**.
- Good knowledge of **Kubernetes components** like etcd, scheduler, kubelet and control plane.
- Provisioned a variety of **K8 resources** such as ingress, service, deployments, and stateful sets.
- Managed and troubleshooted **Kubernetes** resources to maintain application uptime.
- Transitioned to Kubernetes, pulling our custom docker images onto the pods.
- Responsible for implementing containerized based applications on AWS by using **AWS EKS**.
- Implemented Microservice architecture using **Docker** and **Kubernetes** orchestration.
- Managed and monitored containers in production and various environments using Kubectl.
- Utilized Docker to build, containerize and deploy our team applications from scratch.
- Have worked with **DockerFile** and Docker Compose, to start, stop, and debug containers.
- Created Docker Files and build images to push to our private registries (ECR and DockerHub).
- Configured, managed and provisioned Docker images/containers with AWS services. ECS, Fargate, and ECR. Implemented microservices using Docker for our internal applications.
- Involved in automating the deployments in various Environments by using Jenkins and managing successfuldeployment to different environments using **CI/CD methodologies**.
- **Managed existing CI/CD pipelines** using GitLab and GitHub Actions for debugging, resolving, and troubleshooting errors for builds, releases, upgrades, and deployments.
- Good Knowledge of Hosting Services such as **GIT**. Worked on branches, merges, and tags.
- Created branches, tagging, and merging the source code between different branches in Git.
- Experience in using version control systems like GIT and **AWS CodeCommit**.
- Executed Jobs with **GitHub Actions** and making modifications to the CI/CD pipeline.
- Worked on **JIRA** for tracking and updating and completing JIRA stories, based on priority.

Linux Systems Administrator   **February 2015 - February 2017**
T-Mobile - Bellevue, Washington

- Experienced on Different Flavors of Linux, such as (RHEL, Centos, Ubuntu)
- Prioritizing and Managing processes on the system to manage load and system metrics.
- Managing and maintaining disk space, partitions (primary, extended, logical).

- Configuring physical volumes, volume groups, and logical volumes, extending volumes.
- Working knowledge with diverse methods of downloading, patching, and updating system applications through usage of yum, rpm, and other patch management technologies.
- Created EXT4 and XFS filesystems and utilized LVM to manage dynamic storage on servers.
- Monitored Linux and Windows servers using Nagios clusters setup around different networks.
- Decommissioned servers and helped facilitate processes and approvals.
- Monitored CPU, RAM, Disk space across diff operating systems and resolved issues.
- Troubleshooting OS with system process tools and system activity reports (top, renice).
- Utilized the tcpdump, traceroute, and netstat commands to troubleshoot network issues.
- Managed, provisioned, and troubleshooted web servers (apache, tomcat, https, nginx).
- Implemented NGINX as a load balancer for internal web server clusters.
- Worked With Different Networking Protocols such as DHCP, DNS, Ping, TCP, UDP.
- Configuring DNS domain mapping through the use of DNS resource records.
- Deployed virtual machines clones for redundancy and performed virtual machine restoration, rollbacks, from snapshots for production systems storing sensitive data.
- Enabling High Availability and Distributed Resource Scheduler (DRS) for clusters and enabling Fault tolerance for virtual machines on mission critical systems.
- Helped manage and set up vMotion for High Availability and Fault Tolerance on Dell servers.
- Generated SSH keys to give password less access to other machines and troubleshoot any network, public key, firewall or port issues with SSH connection.
- Scheduling and performing backups through cron, running scheduled batch jobs.
- Experienced with archiving and compressing files using tar, zip, gzip and commands.
- Managing services on RHEL systems (SMTP, NFS, FTP, TFTP, DNS, DHCP, PXE).
- Provisioning and creating soft and hard links on RHEL systems.
- Troubleshooting systems through interrupting boot process (single user mode).
- Creating and updating firewall rules on linux systems, adding services, ports or zones.
- Enforcing, securing and modifying security policies through firewalls and selinux.
- Configuring and modifying kernel and grub configuration files on Unix based hosts.
- Monitored mission-critical infrastructure using Nagios and related plugins to determine state of hosts, services, and network devices for a variety of servers and on prem/cloud environments.
- Setting up NIC-Bonding with NIC cards for load balancing and managing load on network bandwidth (round-robin and active backup load balancing algorithms).
- Working with different layers on the OSI model and troubleshooting and related scenarios.
- Diagnosed and resolved slow server issues by analyzing load average, disk utilization, reconfiguring CPU/Memory intensive processes and clearing the cache.
- Managed the creation, modification, and removal of user accounts as required by requests.

Education:

School: Science Skills Center High School for Science, Technology and the Creative Arts
Graduated: June 2012   **Address:** 49 Flatbush Ave, Brooklyn, NY 11201

Mohammad Suha

- Staten Island, NY, US

Contact Information

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- 3476717282

Work History

Total Work Experience: 8 years

- **Linux Systems Engineer/Devops Engineer T-Mobile**
  Mar 01, 2017

- **Linux System Administrator T-Mobile**
  Feb 01, 2015

Skills

- **infrastructure** - 8 years
- **backup administration** - 8 years
- **cluster** - 8 years
- **configuration** - 8 years
- **dns** - 8 years
- **high availability** - 8 years
- **load balancing** - 6 years
- **firewall** - 8 years
- **linux** - 8 years
- **nagios** - 8 years
- **network** - 8 years
- **nfs** - 8 years
- **nginx** - 8 years
- **production** - 8 years
- **provisioning** - 8 years
- **pxe** - 8 years

- **secure shell** - 8 years
- **security** - 8 years
- **software** - 8 years
- **tar** - 8 years
- **tcpdump** - 8 years
- **tftp** - 8 years
- **troubleshooting** - 8 years

Work Preferences

- Likely to Switch: True
- Willing to Relocate: False
- Travel Preference: 0%
- Work Authorization:
  - US
- Work Documents:
  - US Citizen
- Desired Hourly Rate: 55+ (USD)
- Desired Salary: 105,000+ (USD)
- Security Clearance: False
- Third Party: False
- Employment Type:
  - Full-time
  - Part-time
  - Contract - Independent
  - Contract - W2
  - Contract to Hire - Independent
  - Contract to Hire - W2

Profile Sources

- Dice:
  https://www.dice.com/employer/talent/profile/3d3af0aa3e2b2dafa80b35a7e6ec4637