

# SUNIL G

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## Objective:

Associated with IT industry for **8+** years working as Sr. Cloud/DevOps Engineer, Linux Administrator within **Linux/Unix/Windows** environments to provide cost effective solutions to customers issues. Has experience with the cloud, monitoring process, troubleshooting, and utilized most of the resources such as Virtualization(**Oracle VM Virtual Box, VMware**), Automation(**Docker, Kubernetes**), Integration(**Jenkins, GitHub, GitLab**) and Configuration Management(**Ansible, Chef**) tools. Migrated different infrastructures from On-Premises to Private or Public clouds such as **Microsoft Azure, Amazon Web Services(AWS), Google Cloud Platform(GCP)** for Resource Provisioning, high-availability, load balancing with configuration, Alerting and Disaster Recovery. Seeking an opportunity to utilize skills in migration to cloud environment for an established company with a strong customer base.

## Professional Summary:

- Skilled in deploying resources in **Azure** cloud interface which include **IaaS** models, **PaaS** models, configure role-based access, provision application resources, tune existing resources, work with **Azure DevOps**, and deploy resources using **terraform, ARM** templates.
- Expertise in migrating on-prem infrastructure and application to **Azure** and adopt **CI/CD** using **Azure DevOps**. Worked with Microsoft **Identity Manager Management** authentication and authorization including **Azure** Default Directory (AD). Set up **Azure devops CI/CD** release and validation pipelines.
- Experience with **Azure Resource Manager (ARM)** templates, **Resource Groups, Virtual Networks, Subnets, Virtual Machines, Blob Storage, Azure-CLI, Network Design, Azure Automation, Azure Active Directory, Azure AD Connect, Application Gateway, Key vaults, Site Recovery, Azure Boards, Azure Repos, Azure Pipelines, Azure Artifacts** and **Azure Test Plan** resources.
- Expertise in providing administrators support for on-prem and Azure cloud-based backup solutions in **Unix/Windows/VMware** systems.
- Proficient in designing new databases and data schemas for high-profile customers-facing portal keeping strong attention on data integrity and queries execution efficiency applying knowledge of **Azure Databricks**.
- Expert with **HashiCorp Terraform** automation for provisioning and managing various cloud infrastructures. Deployed **Terraform** scripts using **Azure Build** and **Release** pipelines.
- Worked on migrating **SQL Server** Database from On-Premise to **Linux** based **Azure SQL** cloud database using **SQL Database Azure Migration Wizard**.
- Proficient in planning, collaborating, and tracking work/assignments using **Azure Boards** agile productivity tools. Utilized work items to track epics, features, tasks, stories and monitored analytics to optimize **agile** process.
- Expertise in using **CI/CD Azure Pipelines** to build and test code projects. Focused on triggers that automatically invokes build pipelines for continuous integration of source code changes and release pipelines for continuous deployment.
- Experienced in installation and configuration of **AWS EC2** instances, setting up of **VPCs** and **S3** buckets, containerizing applications, optimizing costs, and monitoring the performance of the infrastructure that was deployed onto cloud environments. Managed and maintained releases with an eye towards automation into **AWS** environment.
- Experience in adopting various **DevOps** delivery methods including **Kubernetes** and Cloud develop **Helm** charts/**Ansible** scripts for automation and utilizing **AWS** cloud solutions for hosting applications, transfer via **APIs**.

- Proficient in using reusable **Terraform templates/modules** for provisioning and managing **AWS** infrastructure as a code (**IAAC**) to build **Dev, QA, UAT** and **production** environments by using configuration files. Stored Terraform state file in **AWS S3** buckets to keep track of all changes in an environment.
- Experienced with version control systems such as **GIT, Subversion**. Utilized **GitBash** tool to clone the private and public repositories. Skilled in building project branches, merge and release them into various environments.
- Working knowledge in integrating **Chef** with Jenkins for **CI, Berkshelf** for dependency management, and **Test-Kitchen** for development / testing and created **Jenkins** Pipelines with **JenkinsFile**.
- Skilled in integrating **Jenkins** with **Docker** container using **Docker** pipeline plugin to drive all **microservices** builds out to the **Docker Registry** and then deployed to **Kubernetes**. Performed configuration automation and virtualized the servers using docker in **QA** and production environments.
- Experienced in deploying **AKS** clusters, scaled and managed **Docker** containers across a cluster of container hosts.
- Good hands-on experience in using **Jenkins CI/CD** with **Terraform** infrastructure orchestrator on cloud environment and achieved zero downtime. Used **Packer** with **Terraform** to setup **Jenkins** master-slave architecture.
- Proficient in invoking **HTTP trigger** functions with **HTTP** request and build serverless **APIs**. Worked with **Postman** API testing tool to call **HTTP** triggers and performed load testing on the applications using **Azure DevOps** Services.
- Experience in maintaining micro services using **Kubernetes** as front-end orchestrator for **docker** containers. Worked on setting up the **Kubernetes Cluster** on **AWS(EKS)** for testing the various features. Deployed **Kubernetes** clusters on **AWS EC2** instances using **KOPS** and managed local deployments in **Kubernetes** by creating local clusters.
- Proficient in implementing **Kubernetes** (k8s) Clusters for running microservices and pushed them into production with **Kubernetes** backed Infrastructure. Developed automated **Kubernetes** clusters via **Ansible playbooks**. Used **Calico** to provide secured network connectivity to the **docker** containers.
- Working knowledge in providing local site support for **RedHat Linux** servers and workstations. Configured various server peripherals, services, **SAN** storage configuration, performed frequent backup and restoration, and applied various software patches/updates.
- Expertise in implementing and deploying various **IAM** solutions like **SAML, OpenID Connect (OIDC), OAuth, LDAP, and Kerberos**. Reviewed logs for all networking devices, documented all server, network related issues, and configured Security enhanced **Linux**.
- Hands-on experience with **Ansible YAML** scripts that automates cloud provisioning, configuration management, intra-service orchestration and application deployment.
- Excellent hands-on experience working with enterprise monitoring and alerting systems such as **Nagios, Splunk, Check\_MK**. Worked with **Nagios** and **Splunk** to check the status of numerous hosts and to track every code check-in, build, tests, and deployments in real-time.
- Expertise in adopting **DevOps** Culture to automate the entire **Software Development Life cycle (SDLC)** and Implemented **Continuous Integration** with integrity and reliability.
- Hands-on experience in monitoring the performance of applications and collected **Log data** using **Azure Monitor** Data Collector API. Created alert rules in **Azure Monitor** by using action groups.
- Proficient in administering **Splunk** SDKs for **Java, JavaScript, Python** and **AWS Cloud Formation** templates for **Splunk** distributed cluster deployment. Maintained and deployed builds in **Dev, QA, UAT, Pre-Prod** and **Production** environment.
- Experience in scripting languages like **Python, Ruby, Perl, Shell, Bash** and familiar with storage, Networking, **PowerShell** commands. Experienced in creating automated **PowerShell** Scripts for web-app deployment.
- Experience in working with **Agile** methodologies and **Scrum** practices. Handled daily stand-up calls to measure the team performance and manage the work.



## Certifications:

Certificate Name	Certificate Link
Microsoft Certified: Azure Administrator Associate	<a href="#">Azure Administrator Associate</a>
Microsoft Certified: DevOps Engineer Expert	<a href="#">DevOps Engineer Expert</a>
Microsoft: Designing and Implementing DevOps	<a href="#">Designing and Implementing DevOps Solutions</a>
AWS Certified Solutions Architect – Associate	<a href="#">AWS Solution Architect Associate</a>



## Technical Skills:

<b>Operating Systems</b>	Windows, Linux distributions (CentOS, Ubuntu, RedHat, Debian)
<b>Programming Languages</b>	Python, Java, .NET, SQL, JSON, HTML, CSS, Angular6
<b>Cloud Platforms</b>	Microsoft Azure, Amazon Web Services (AWS), Openstack, GCP
<b>Container Tools</b>	Docker, Kubernetes, AWS ECS, AKS, ECR
<b>Application Servers</b>	Apache Tomcat, JBOSS, Web Logic, Web Sphere
<b>Automation and Build Tools</b>	Jenkins, Ansible, Puppet, Chef, TeamCity, Terraform, ANT, Maven
<b>Version Control Tools</b>	GIT, Bitbucket, Subversion, TFS, SVN, GitLab
<b>Databases</b>	Oracle, Mongo DB, MySQL, CosmosDB
<b>Web Servers</b>	Nginx, Apache HTTP
<b>Scripting</b>	Python, Shell, PowerShell, Ruby, JavaScript
<b>Network Protocols</b>	DNS, DHCP, TCP/IP, NFS
<b>Logging and Alerting</b>	ELK stack, Splunk, Cloud Watch, SNS, Check_MK
<b>Testing and Tracking Tools</b>	JIRA, VersionOne, Confluence, HP Service Center, Postman
<b>Repository Management</b>	JFrog, Nexus, Artifactory
<b>Methodologies</b>	Agile, Scrum, Test-driven Approach



## Work Experience:

### Senior Cloud DevOps Engineer

Discovery Health Partners – Chicago, IL

June 2019 – Present

#### Responsibilities:

- Configured, deployed, and managed **Azure** services such as **storage accounts**, **Key vault**, **Cosmos DB**, containerized app services with **Application insights** using Azure **ARM** templates and **Azure DevOps** YAML pipelines. Also implemented an **Azure policy** to configure Diagnostic settings to **Azure Log Analytics workspace** and **Event Hub** namespaces.
- Extensively involved in migrating **On-Premises** infrastructure to **Azure** cloud which includes databases to Microsoft **Azure SQL Database**, **webservice** and involved in orchestration technologies like **Docker** and **Kubernetes**.
- Designed mission-critical architectures with **Azure Devops** to meet clients' technical, functional, security, and business needs and executed implementation plans to deploy Azure services and move workloads to **Azure cloud**.
- Created and managed **Azure AD tenants**, manage users and groups in Azure AD, and configure application integration with **Azure Default Directory**. Configured **Multi-Factor authentication (MFA)** and aligned **single sign-on (SSO)**.
- Provisioned Azure resources of different providers Compute, Network, **Service Fabric**, Application gateway using **ARM templates** and implemented, maintained Dev, Test, UAT and Production environments leveraging infrastructure as code using **Azure ARM** templates (Infrastructure as code, **JSON / YAML** config).
- Utilized **Azure Storage Explorer**, **Azure Import/Export** service and **AzCopy** to efficiently transfer the data to **blob-based** Azure storage with high throughput by scaling out copy jobs to multiple Azure storage servers. Implemented **ExpressRoute** which reduces data transfer time between cloud environments.
- Build and Installed web servers, virtual machines, virtual security groups through **Azure Resource Manager (ARM)** templates. Worked on **Azure VPN-Point to Site**, **Azure Custom security**, **endpoint security** and **firewall**.
- Designed and configured **Azure Virtual Networks (VNETs)**, subnets, Service and Private Endpoints, **DNS** Servers, Address space, security policies and **VNet** peering's.
- Involved in designing **ARM** templates for deploying to **Azure Kubernetes** service and triggered build process using **PowerShell** in **Azure** pipelines.

- Automated **CI/CD** pipelines within **Azure DevOps** to all major platforms including **Kubernetes**, **Azure VMs**. Build jobs using hosted agents, automated testing tasks, and orchestrated deployment and release across multiple environments.
- Utilized **Azure Test Plans** for testing the software and to notify the developers if there are any bugs. Published software packages using **Azure Artifacts**. Using **Artifacts**, fully integrated package management to **CI/CD** pipelines.
- Worked on **Jenkins** instances which is deployed using **Tiller** and **Helm** Chart to a **Kubernetes** Cluster running inside **Minikube** via **VMware**. Deployed a custom build of core plugin and triggered the remote **Jenkins** jobs.
- Worked in all areas of **Jenkins** setting up **CI** for new branches, build automation, plugin management and securing **Jenkins** and setting up master/slave configurations.
- Configured various **GIT** webhooks and **SVN** commithooks for **CI** operations and implemented End-to-End automation for all build and **CD**.
- Worked on various **Docker** components like **Docker Engine**, **Hub**, **Machine**, **Compose** and **Docker Registry**. Managed docker to run several microservices in the same VM.
- Implemented **docker** container engine and used to build, deploy, and run distributed applications. Developed **docker** containers to enable developers to package application source code with OS libraries and dependencies .
- Worked on creating the **Docker containers** and **Docker** consoles for managing the application lifecycle. Created and built containers out of **docker images** and vice-versa to enable faster software delivery cycles.
- Managed **Azure Kubernetes Service (AKS)** to deploy a managed **Kubernetes** cluster in **Azure**. Implemented greenfield project leveraging **Docker** and **Azure Kubernetes Service (AKS)** for use and process real-time data streams.
- Added **CI/CD** pipeline to **AKS** clusters with automated routine tasks, and setup canary deployment strategies. Used **AKS** virtual nodes to provision the pods and to simplify the deployment and management of microservices.
- Created **AKS** clusters in Azure Portal with the Azure-CLI. Deployed **Azure Kubernetes** clusters using Node Port.
- Developed **Azure DevOps** scripted pipelines and deployed **Kubernetes (AKS)** clusters into Dev, QA, UAT and production environments.
- Deployed and managed containerized applications using **AKS** hosted **Kubernetes** environment. Created resources and infrastructure inside **Azure Kubernetes** clusters through deployment and service manifest files.
- Utilized **Terraform** to build and provision the architecture of working teams by writing modules for services such as **APIs**, **queues**, and **functions**.
- Deployed **web** servers using **Terraform** automation scripts and provided custom in-house solutions to manage cross-cloud service providers such as **Azure** cloud.
- Configured **Windows Server Administration** which includes server installation and configuration, **Active Directory** and **Group Policy**, virtualization, and application servers.
- Used **Azure Monitor** to measure the performance of applications and services, collected data from monitored resources using **Azure Monitor Metrics**.
- Wrote **Ansible** playbooks to push out new configuration or confirm the configuration of remote system. Defined tasks to **Ansible** modules for roles and playbooks.
- Monitored network performance to comply with service level agreements and explored configuring hybrid connectivity between on-premises and **Azure** cloud environments.
- Managed **JIRA** for tracking the bugs and **Kanban** boards to view story, tasks, bugs, features. Followed **Agile** methodologies to measure the overall workflow of projects and attended daily stand-up meetings.

## Azure Engineer Sodexo – Buffalo, NY

Jan 2018 – June 2019

### Responsibilities:

- Migrated **SQL** server database from on-prem to **Azure SQL** database. Performed backup and restore, monitor and tuning **Azure SQL**. Utilized **Azure Data Factory** and **Azure Databricks** to plan and design data movement and data virtualization from legacy monolithic databases to **Azure SQL** database and **Cosmos DB**.
- Designed cloud native solutions with **Azure PAAS** services leveraging Azure storage, **Azure SQL**. Designed event driven architectures using Azure Data factory pipelines and serverless functions.
- Created and deployed entire **Azure** infrastructure declaratively using **Azure ARM** Templates. Supported migration of existing applications to **Azure** cloud.
- Provisioned and managed **Azure** hosted Virtual Machines, maintained patch levels on all service VMs and deployed secured peered network across multiple **Azure** subscriptions.

- Designed, build, administered and deployed scalable **Azure** resources to ensure security, availability, scalability, and reliability of applications.
- Built, migrated, and tested **Azure** environment and integrations. Developed deployment automation to provide fully functional **Azure** cloud stack that supports client environment.
- Implemented end-to-end system solutions in **Azure** cloud environment, automated processes, and blueprints. Ensured that all team activities are completed on time, within budget, and integrated **Azure** cost management monitoring and alerting systems in all areas of **Azure DevOps** processes.
- Created and configured **HTTP** Triggers in the **Azure Functions** enabling the app insights for monitoring, debugging, and performing load testing on the applications using the **VSTS** and used **Python API** for uploading all the agent logs into **blob storage**.
- Implemented **Network Security Groups (NSGs)** to control traffic to inbound and outbound ports and allowed access to network interfaces (NICs) and VMs.
- Hosted private **Git** repositories for source code control using **Azure Repos** to integrate repos with workflows which makes easy to manage the code. Supported for migrating **Team Foundation Version Control (TFVC)** to **Git**.
- Responsible for design, implementation and maintenance of **GIT** private repositories, permissions and helped in containerizing the integration process by **GitLab CI** within docker.
- Integrated **GitLab** into **Jenkins CI/CD** to automate the code checkout process and developed build workflows using **GitLab**.
- Utilized **Source Tree GUI** client tool to clone the **Bitbucket** repositories into local and created pull requests to merge the developed source code into Develop branches.
- Automated **Tekton** pipelines using **Jenkins** which helped users to not have specific **Kubernetes** knowledge beforehand and teams to transform to cloud native solutions for **CI/CD** pipelines.
- Managed pulling **Docker images** from **Docker hub** and stored files in **Azure storage account** by implementing various lifecycle policies. Created **Docker images** and handled multiple images primarily for middleware installations.
- Worked on **Kubernetes** to manage containerized applications using its nodes. Responsible for build and deployment automation using **Docker, Kubernetes** containers.
- Designed and developed the security components of **Kubernetes** in multiple cloud environments and has good understanding of **Kubernetes** multi-tenant deployments at scale.
- Deployed **KubeADM** all in one using **Ansible** playbooks to create various test environments to perform validation on **Docker** images and helm charts.
- Created and managed organizations infrastructure via automation within **Azure** space using **Terraform** and **Ansible**.
- Provisioned **Terraform Enterprise** with all the sophisticated features and common workflows.
- Deployed new SMEIR installations in support of new applications utilizing technologies such as **Terraform** and **Cloud-Init**, into **Azure** cloud environment.
- Wrote **Ansible** playbooks, Roles and followed best practices to utilize **Ansible** Handlers with multiple tasks to trigger various handlers and to decouple handlers from their names. Extensively worked as **Admin** for installations.
- Worked with **Azure Boards** to manage backlogs, track work progress, view commits, QA, build and release tasks.
- Involve in daily stand-up meetings, **sprint** backlog and **sprint** retrospective for **Agile** Scrum Process.

## Cloud Infrastructure Engineer

Horizon Blue Cross Blue Shield of New Jersey, NJ

May 2016 – Jan 2018

### Responsibilities:

- Seamlessly migrated **AWS EC2** instances to Microsoft **Azure** Cloud using **Azure Migrate** Service. Identified the connectivity of different tiers of applications, their dependencies on on-premises resources and legacy configurations that needs to be updated to decide the scope of Microsoft **Azure** migration process.
- Documented and Implemented highly scalable, reliable infrastructure solutions and **Azure** environment offerings including **Platform-as-a-Service (PAAS)**, **Software-as-a-Service (SAAS)** and **Infrastructure-as-a-Service (IAAS)**. Utilized **MAP Assessment toolkit** for generating **Azure VM** readiness report by scanning **AWS** environment.
- Configured **Azure Site Recovery (ASR)** to continuously replicate various **AWS** physical servers to **Azure** cloud and then migrated using simple **failover** processes. Implemented cost-effective solutions by moving cold storage data to **Azure Cool Blob** storage where the data can be infrequently accessed.
- Designed **ARM templates** to deploy, update or delete **Azure** services. Migrated core networking infrastructure to **Terraform** to better align with enterprise tooling including **Application Gateways, VNets, Subnets, NSGs**.

- Utilized **Azure App Service Migration** Assistant to migrate the web applications from on-premise to **Azure App Service**.
- Deployed **Azure** Virtual machines (both **Windows** and **Linux**) in a highly available environment and monitored IaaS deployments by **Log Analytics** and **Log Search** to drill down the **IAAS** applications.
- Used **GitHub** version control tool to maintain the overall workflow of project versions. Deployed the applications in Dev, QA, UAT and Production environments.
- Setup and maintained **TFS/GIT/GitHub** infrastructure and supported continuous delivery model by automating software build and package migration processes.
- Deployed and automated web applications to **Azure DevOps CI/CD** by using services such as **Repos** to commit codes, **Test Plans** to unit tests and stored artifacts in blob storages.
- Implemented **Terraform** reusable modules to automate **Azure VMs, storage accounts, VNets, subnets, Load balancers** resources and deployed virtual machine scale sets (**VMSS**) in **dev, QA, and production** environments. Used **Terraform** modules in the **Gruntwork** Infrastructure as Code Library.
- Proposed cost-optimized solutions on **DevOps** methodologies involving **Azure** services and provisioned **Azure** infrastructure using automation - **PowerShell, CLI, ARM** templates and **Azure Blueprints**.
- Set up **Docker Daemonset** to ensure that all nodes run a copy of **Kubernetes** pod. Used **Daemonset Controller, Deployment and Replication Controller** for replications.
- Implemented self-hosted cluster service by using **Docker containers** and **Terraform** to manage local deployments in **Kubernetes**.
- Build and maintained systems to query **Kubernetes API** servers to provide insights. Deployed **Kubernetes** from On-Premise to **AWS** cloud environment.
- Wrote **Ansible Playbooks** with **Python SSH** to manage Configurations of **Nodes** and **Test Playbooks** on Azure instances. Also, worked with **Puppet** to manage enterprise **Puppet** deployments more easily.
- Monitored and troubleshoot the entire infrastructure and performance issues using **Azure Monitor** Metrics and defined event handlers and network host hierarchy using parent hosts.
- Utilized **VersionOne** cloud-based **agile** application lifecycle management to track all the reports across various software portfolios, programs, and projects.

## DevOps Engineer

Accenture Solutions Private Limited, India

Mar 2015 – May 2016

### Responsibilities:

- Configured and Managed **AWS** environment with high availability, high scalability and used features such as **EC2, VPC, IAM, S3 buckets, ELB, Security Group, Auto Scaling, EBS, SNS, Route53, SNS, SQS, SES, Kinesis, cloud watch, AMIs, RDS, Lambda function, Redshift, Glacier** and **Cloud Front**. Migrated applications from On-Premise **VMware DC** to **AWS Cloud**.
- Migrated **On-Premise DB** to **AWS RDS** for high availability clustering so that **RDS** automatically creates a primary **DB** instance and synchronously replicates the data to a standby instance in a different AZ. Also migrated the **MySQL RDS** in the cloud to **AWS Aurora RDS** cluster, thereby enabling automatic extension of system storage.
- Configured **Cron** jobs for initiating daily batch data pulls, executing our continuous integration tests done under **Jenkins** and automated the backup process of **Dynamo DB** streams. Implemented **AWS code pipeline** and created **Cloud formation** templates for setting up the deployment environments.
- Worked with data ingestion and retrieving the stored data from **S3** using **AWS** components like **AWS glue (ETL), Lambda, and API gateway**. Designed **AWS Cloud** infrastructure utilizing **Ansible** with **AWS Cloud formation** and **Jenkins** for Continuous Integration with high availability.
- Implemented and maintained the **AWS Lambda** functions to trigger when there is a **Jenkins** build kicked off, which internally gets stored on **AWS S3** buckets. Developed **AWS Lambda** functions in **Python** to automate **Cloud Watch** Scheduled Events and configured **AWS SNS** and **AWS SES** to deliver notifications to the teams regarding **AWS EC2** instances.
- Designed **AWS CloudFormation** templates to create custom sized **VPC, subnets, IGW, Route tables, Network ACLs, NAT Gateways** to ensure successful deployment of web and enterprise applications. Used **Cloud Front** to deliver content from **AWS** edge locations to users, thus balancing the load on servers.
- Designed and developed automated provisioning of full stack enterprise application services (**EC2 Instances, S3, VPC, Security Groups**) in **AWS** using **Terraform**. Involved in using **Terraform** and **Ansible**, migrate legacy and monolithic systems to **AWS**.

- Deployed configuration management and provisioning to **AWS** using **Packer** and **Terraform**, involved in auto-mated deployment of **EBS** on to the **AWS EC2** instance server and automated the complete deployment environment on **AWS**.
- Setup the **CloudWatch** monitoring dashboards with **SNS** notification configurations on various performance metrics retrieved from various **AWS** Resources and also worked with Subscription based notification routing via **SNS** service and also Event-driven architectures and asynchronous messaging patterns (**Amazon Kinesis Data Streams**).
- Expertise in writing custom modules with **Ansible Playbooks** to automate in **AWS** services like **Provisioning EC2**, managing **IAM**, **Configuring VPC** and **Security Groups**. Configured **AWS Route53** to handle **DNS** zones globally, created record sets, **DNS failover** and **health checks** of domains, and assigned domain names to **ELB** and **CloudFront**.
- Wrote **Python** scripts to automate **AWS** services that includes web servers, app servers, **ELB**, **Cloud Front** distribution, **EC2** and **Security Groups** and **S3** buckets. This script creates stacks, single servers, or joins web servers to stacks. Wrote **shell** scripts to automate the troubleshooting on **AWS** platform by using **SNS** alerts.
- Implemented **Amazon Elastic Container Service (ECS)** scheduler to automate application deployments in the **cloud** using **Docker** Automation techniques. Deployed **Amazon EKS** control plane with the worker nodes by using **AWS Cloud formation** templates.
- Extensively used **GitBash** tool to clone the **GIT** repositories and created pull requests to merge the source code into develop branches.
- Troubleshooted build issues in **Jenkins**, performance and generating metrics on master's performance along with jobs usage. Implemented **Jenkins Code Deploy** plugin to deploy to **AWS** and used to automate the build process and deploy the application to **Tomcat** server.
- Tracked changes made in files using **Bitbucket** SCM tool, proposed multiple branching strategies suitable for agile development, ensured multiple parallel developments and utilized **GIT** for software configuration management.
- Created **Docker images** from scratch and customized and modified base images from existing environment configurations and maintaining the image repository for development teams.
- Provisioned **Chef** libraries for creating machines and used **Chef** cookbooks for configuring the application and softwares, roles and environments for orchestrating the deployment.
- Implemented **JIRA** to track all the issues related to **SDLC** processes and Integration of **JIRA** with **GIT** repository to track all code changes.

## Linux Administrator

Mindtree Limited - Hyderabad, India

Feb 2014 – Mar 2015

### Responsibilities:

- Administered, deployed, and managed large, multi-site **Linux** server environments and operating systems, software package installations, security and managed system backups, scheduling jobs like disabling and enabling **Cron** jobs and network logging.
- Set up, configure, and troubleshoot **UNIX/Linux** networks by using tools such as **TCP** wrappers, Default Gateway **DNS**, Firewall **SSH**, **IPtables**, **NMAP** and **UDP** in a multiplatform **LAN** network.
- Experience in writing **Perl**, **Bash**, **Shell** scripting and automated log backup using **Python** scripts, managed **batch** jobs for automated data import/export in **Linux** environment.
- Troubleshooted routine and non-routine network **performance** issues at all 7 layers of the **OSI** model. . Responsible for tuning the **performance** of application servers using **netstat**, **tcpdump**, **Lsof**, **iostat** and **vmstat**.
- Monitored **logs** on **Linux** servers, including processes, configured **Linux LDAP** server and client for **authentication** and **authorization** and performed system **maintenance**.
- Performed **data migration** across multiple services running on **UNIX/Linux** servers and **Windows** servers.
- Configured **Linux** network interfaces including **loopback**, **ethernet** securely to retrieve the IP address and to establish connections to local network.
- Utilized **Ext**, **Ext2**, **Ext3**, **Ext4**, **JFS**, **XFS**, **btrfs** and **swap** file system distinctions to manage data management of storage.
- Installed and configured **RAID 0**, **RAID 01**, **RAID 1**, **RAID 5**, **RAID 6** to combine multiple hard drives in order to improve **efficiency**, **performance**, and **reliability** of data storage.

**Dot Net (.NET) Developer**  
**SAB IT Services, India**

**April 2013 – Feb 2014**

**Responsibilities:**

- Working as a **.NET** developer in an Agile environment and developed the company's flagship product named **AmpliFund**, built primarily using the **.NET MVC** framework and also developed static websites using **ASP.NET** interactive web applications with languages such as **C#, JavaScript, LINQ, HTML5, CSS3**.
- Worked on routing to load controller type using **Asp.Net MVC** for reaching appropriate action in the web application.
- Responsible for writing **Bash, Perl, Python** scripts to ping the servers and add users to the boxes. Resolved system errors, crashes, disk space problems, huge file sizes, and file system full errors.
- Worked with Red hat Linux tools like **RPM** to install packages and patches for **Red hat Linux** Server and managed virtualized OS, Used **LVM** for the managements of logical volumes including creation of physical volumes in **Linux**.
- Managed account using **Active Directory** such as resetting the password, unlocking accounts, creating new accounts, adding users to GP (group policy), setting up email accounts on the exchange server and distribution lists, etc. Managed Patches, Upgrades & Licensed Products for System software on all flavors of **UNIX & Linux** Servers.
- Managed continuous integration for complex **SDLC** using **Jenkins** and **TFS**, designing and launching concurrent development / testing environments supporting multiple releases.
- Performed production support and system engineering duties like administering **DNS, DHCP, NFS, NIS, and LDAP**.