**SAI SHANKER REDDY**

**Sr. DevOps Engineer**

**Contact No: +14752772990**

**Email ID:** [saiishanker@gmail.com](mailto:saiishanker@gmail.com)

**SUMMARY**

* Over 10+ years of IT industry experience as a Linux Administrator, System Engineer, DevOps and Production Support of Various applications on Red Hat Enterprise Linux, Ubuntu & Windows environment, Axiom Developer.
* Experience on Containerization tool like Docker, Writing Docker files for creating Docker images and containers for different Environments.
* Worked across both private (OpenStack) and public clouds (Amazon AWS).
* Azure PaaS services, including Azure App Services, Azure SQL Database, Azure Functions, and Azure Kubernetes Service (AKS), to support scalable and resilient cloud-native applications.
* AWS Cloud platform and its features which includes EC2, VPC, EBS, AMI, RDS, EBS, CloudWatch, Cloud Trail, CloudFormation AWS Config, Auto scaling, CloudFront, IAM, S3.
* Experience on Kubernetes for creating Projects, Services for load balancing and deploying various java microservice-service application to Kubernetes cluster, Creation of Pods through new application and control the scaling of pods including troubleshooting pods through logs and Helm Charts.
* Configured Virtual Networks, VM’s, Cloud & Storage Services, Resource Groups, Express Route, Traffic Manager, VPN, Load Balancing, Application Gateways, Auto-Scaling on Azure.
* CI/CD Pipeline Automation: Developed and maintained CI/CD pipelines using Python to automate build, test, and deployment processes, integrating tools like Jenkins, GitLab CI/CD, and AWS CodePipeline.
* Integrated Kubernetes Engineer with cloud services like AWS S3, Azure ADLS, or GCP BigQuery.
* Azure IaaS solutions, including virtual machines, virtual networks, and storage accounts, ensuring high availability, scalability, and security for enterprise applications.
* Designed and implemented scalable API Management architectures using tools like APISIX and Azure API Management (APIM) to optimize API performance and security.
* Designed and implemented CI/CD pipelines for web/mobile applications and .NET API services using Azure DevOps, Jenkins, and GitHub Actions, enabling faster and reliable deployments.
* Integrated OAuth2, JWT, and mTLS authentication mechanisms within APIM to ensure secure API communication across microservices and external clients.
* Mobile applications on Azure, AWS, or GCP, ensuring high availability and performance.
* GCP infrastructure using services like Compute Engine, Kubernetes Engine (GKE), Cloud Storage, and Cloud SQL, ensuring high availability and scalability for applications.
* Monitoring and Alerting Automation: Implemented Python-based scripts to automate monitoring and alerting systems using AWS CloudWatch, Prometheus, and Grafana, ensuring proactive issue detection and resolution.
* Integrated Terraform with Jenkins pipelines for automated infrastructure updates.
* Deployed API Gateways in multi-region architectures to achieve high availability, disaster recovery, and low-latency API responses for global applications.
* Configuration Management: Leveraged Python to automate configuration management tasks using Ansible, Puppet, or Chef, ensuring consistent and scalable infrastructure deployment.
* Expertise in using Kubernetes components including deployed Kafka and Zookeeper.
* Experience in Azure IaaS, PaaS, Provisioning VM's, Virtual Hard disks, Virtual Networks, Deploying Web
* Apps, creating Web-Jobs, Azure Cosmos DB, Azure databricks, Azure data lake, Azure AD, Azure SQL,GCP using Terraform and Deployment Manager, reducing deployment time by 40%.
* Log Analysis and Reporting: Created Python scripts to parse, analyze, and generate reports from logs stored in AWS S3, CloudWatch Logs, or Elasticsearch, improving troubleshooting and operational efficiency.
* Developed automation tools using Golang to streamline cloud infrastructure provisioning and deployments.
* Experience in managing AWS VPC (Virtual Private Cloud) environment with around 2000+ Linux and Ubuntu instances.
* Managed Terraform state files securely using AWS S3 and DynamoDB for state locking.
* Developed and implemented JWT-based authentication mechanisms for stateless, scalable API security across distributed systems.
* Expertise in System and Server administration of Azure, Windows & CRM Environments.
* PowerShell for monitoring and reporting on Azure resources, generating insights into performance, usage, and cost optimization opportunities.
* Troubleshooted and resolved Terraform plan/apply errors to ensure smooth deployments.
* Automated Infrastructure Management: Utilized Python scripting to automate the provisioning, configuration, and management of AWS infrastructure using tools like AWS CloudFormation, Terraform, and Boto3.
* GCP environments using tools like Cloud Build, Jenkins, and GitLab CI/CD, enabling rapid and reliable software delivery.
* Strong proficiency in supporting Production Cloud environments (AWS and VMWare) as well as traditional managed hosted environments.
* Set up monitoring and alerts for Databricks using tools like Datadog or CloudWatch.
* Developed and maintained PowerShell scripts for provisioning, configuring, and managing Azure resources, including virtual machines, storage accounts, and networking components.
* Developed continuous integration, deployment by creating pipelines that automated builds and deployments to numerous environments using VSTS/TFS/Bamboo on Azure DevOps project.
* Integrated PowerShell automation into CI/CD pipelines using Azure DevOps, enabling seamless deployment and management of cloud infrastructure.
* Setting up databases in AWS using RDS, storage using S3 buckets and configuring instance backups to S3 bucket.
* Experience in installation and management of network related services like DNS, Apache, LDAP, SAMBA, HTTPD, VSFTP, SMTP and Active Directory.
* Experienced in various source code management activities using tools like GIT, SVN involving branching and Merging strategy, configuration and administration maintenance, daily merges, tagging and remote repository.
* Expertise in scripting for automation, and monitoring using shell and Python scripts.
* Used GitHub Projects and Issues to track tasks, bugs, and feature requests.
* Serverless Automation: Designed and deployed serverless automation workflows using AWS Lambda with Python, enabling event-driven automation for tasks like backups, scaling, and resource cleanup.
* Cost Optimization: Automated AWS cost monitoring and optimization by scripting tools to analyze billing data, identify cost-saving opportunities, and implement resource scheduling.
* Extensively worked and Administered with automation tools like Jenkins, Bit Bucket and Bamboo to implement the end to end automation.
* Experience in using configuration management tools like Puppet/Ansible and knowledge on Chef and Helm Charts.
* Application Deployments and Environment configuration using Puppet and Ansible.
* Managed the software configurations using Ansible and Puppet for configuration management to existing infrastructure.
* Collaboration and Documentation: Worked closely with development and operations teams to identify automation opportunities, document scripting processes, and share reusable scripts for team-wide efficiency.
* Hands on experience on Chef Recipes to automate our build and deployment process and do an overall process improvement to any manual processes.
* Azure IaaS solutions, including virtual machines, virtual networks, and storage accounts, ensuring high availability, scalability, and security for enterprise applications.
* Experienced is using Apache Tomcat, JBOSS, and WebLogic Application servers for deployments.
* Experienced with monitoring tools such as Nagios and CloudWatch.
* Experienced in using databases like MySQL, PostgreSQL and Oracle SQL.
* Experienced in integrating unit tests and smoke test with code quality analysis tools like JUnit, Jira and Selenium.
* Managed environments DEV, QA, UAT and PROD for various releases and designed instance strategies.

**EDUCATION**

* Bachelors in computer science and engineering, Osmania University

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| **Programming Languages** | UNIX Shell Scripting, Python, Java,Golang |
| **Build Tools** | ANT, MAVEN |
| **Operating Systems** | Solaris, Linux, Windows Server 2008/2010/2012/2016/2019, Ubuntu 12/13,  CentOS, Red hat. |
| **Source control management tools** | CVS, SVN, GitHub |
| **Middleware Administration** | Web sphere, Web logic, Tomcat, JBoss, Apache |
| **Continuous Integration Tools** | Docker, Vagrant, Bamboo, Hudson, Jenkins |
| **Databases** | Oracle, SQL SERVER, MYSQL, NoSQL (Mango DB), DB2. |
| **Cloud** | AWS EC2, S3, RDS, ELB, EBS, VPC, Auto Scaling,  Cloud Formation, Cloud Watch, Code Deploy, IAM,  Route 53, SES, SNS, SQS, Code Commit, Cloud Trail. |
| **ETL Tools** | ETL Service/Engine, DB2 client, Discovery, Data Studio, Data Architect |
| **Monitoring tools** | Splunk, New Relic, Prometheus, Grafana |

**SKILLS**

**WORK EXPERIENCE**

**Client: The Bank of New York Mellon, NY / Role: Aws Devops Engineer/ SEPT 2022 – Till Date**

## **Responsibilities**:

* Designed and developed Continuous Integration and Continuous Delivery pipeline using Jenkins and managing the system with End to End Automation.
* Created CI/CD pipelines for Databricks making deployments faster and more reliable.
* Managed Terraform state files securely using AWS S3 and DynamoDB for state locking.
* CI/CD Pipeline Development: Scripted and automated CI/CD pipelines using Jenkins, GitLab CI/CD, and AWS Code Pipeline to streamline build, test, and deployment processes across multiple environments.
* Infrastructure as Code (IaC): Used Python to enhance Infrastructure as Code (IaC) practices, enabling dynamic and reusable templates for AWS resource provisioning.
* Configuration Management: Wrote scripts to automate configuration management tasks using tools like Ansible, Puppet, and Chef, ensuring consistent and repeatable infrastructure deployments.
* Integrated third-party services and APIs with .NET applications, ensuring seamless functionality and data exchange for web/mobile platforms.
* Serverless Automation: Designed and implemented serverless automation scripts using AWS Lambda (Python/Node.js) for event-driven tasks such as backups, scaling, and resource cleanup.
* GCP resources using Stackdriver (now Operations Suite), ensuring proactive issue detection and resolution.
* Containerized .NET API services and web applications using Docker and orchestrated them with Kubernetes (AKS/GKE), ensuring scalability and portability across environments.
* Implemented automated testing frameworks for .NET API services and web/mobile applications, integrating unit tests, integration tests, and end-to-end tests into CI/CD pipelines.
* Integrated monitoring and logging solutions for web/mobile applications and .NET APIs using tools like Application Insights, ELK Stack, and Prometheus, ensuring proactive issue detection and resolution.
* Implemented blue-green and canary deployment strategies for .NET applications, minimizing downtime and reducing risks during production releases.
* Developed and maintained Infrastructure-as-Code (IaC) templates for deploying and managing environments for web/mobile applications and .NET services using Terraform or ARM templates.
* Designed, implemented, and maintained CI/CD pipelines using tools like Jenkins, GitLab CI/CD, GitHub Actions, or Azure DevOps.
* Implemented and managed Apache APISIX as an API Gateway to efficiently route and secure API traffic in microservices-based architectures.
* Use of AWS including deploying new server instances through automation with CHEF and Jenkins.
* Setup SCM Polling for immediate Builds with Maven. Performed tasks as Axiom Developer.
* Automated the scaling of .NET applications based on traffic patterns using auto-scaling features in cloud platforms.
* Conducted regular security audits for .NET applications and web services, addressing vulnerabilities and ensuring compliance with industry standards.
* Azure PaaS platforms, modernizing infrastructure and improving scalability, reliability, and cost-efficiency.
* Integrated CI/CD pipelines with version control systems (e.g., GitHub, GitLab) for seamless code deployment and collaboration.
* Configured and managed message queues (e.g., Azure Service Bus, RabbitMQ) for .NET applications to enable asynchronous communication and improve scalability.
* Implemented caching mechanisms (e.g., Redis, Azure Cache) for .NET API services and web applications to reduce latency and improve response times.
* Serverless Automation with AWS Lambda: Designed, developed, and deployed serverless functions using AWS Lambda (Python/Node.js) to automate event-driven tasks such as backups, scaling, resource cleanup, and data processing.
* Infrastructure as Code (IaC) with AWS CloudFormation: Created and managed reusable CloudFormation templates to automate the provisioning and configuration of AWS resources, ensuring consistent and scalable infrastructure deployments.
* Monitoring and Alerting with AWS CloudWatch: Implemented CloudWatch alarms, dashboards, and logs to monitor the health, performance, and availability of AWS resources, enabling proactive issue detection and resolution.
* CI/CD Pipeline Integration: Integrated AWS Lambda and CloudFormation into CI/CD pipelines to automate build, test, and deployment processes, improving deployment frequency and reliability.
* Custom CloudWatch Metrics and Logs: Developed custom CloudWatch metrics and log filters to monitor application performance, troubleshoot issues, and generate actionable insights for optimization.
* Event-Driven Architectures: Built event-driven architectures using AWS Lambda, CloudWatch Events, and SNS to automate workflows such as triggering notifications, scaling resources, and executing scheduled tasks.
* Cost Optimization with CloudWatch: Utilized CloudWatch metrics and Lambda functions to monitor and optimize AWS resource usage, reducing operational costs and improving efficiency.
* Disaster Recovery Automation: Leveraged CloudFormation and Lambda to automate backup and disaster recovery processes, ensuring data integrity and minimal downtime during failures.
* Security and Compliance Automation: Used CloudFormation and Lambda to enforce security best practices, such as automating IAM role management, security group updates, and compliance checks.
* Custom Resource Creation with CloudFormation: Developed custom resources in CloudFormation using Lambda to extend its functionality and manage third-party services or complex workflows.
* Real-Time Monitoring and Reporting: Built real-time monitoring and reporting solutions using CloudWatch and Lambda to provide stakeholders with insights into system performance, resource utilization, and operational health.
* Automated Scaling Solutions: Designed and implemented auto-scaling solutions using CloudWatch alarms and Lambda to dynamically adjust resources based on traffic and workload demands.
* Cross-Account Resource Management: Used CloudFormation and Lambda to automate the management of resources across multiple AWS accounts, ensuring consistency and compliance.
* Log Analysis and Visualization: Created Lambda functions to process and analyze logs from CloudWatch Logs, S3, and Elasticsearch, generating visual reports and dashboards for better decision-making.
* Infrastructure Auditing and Reporting: Developed tools using Lambda and CloudFormation to automate infrastructure auditing and generate compliance reports for AWS resources.
* Disaster Recovery Automation: Created scripts to automate backup and disaster recovery processes, ensuring data integrity and minimal downtime during failures.
* Custom Tool Development: Designed and developed custom tools and scripts (Python, Bash, PowerShell) to automate repetitive tasks such as environment setup, resource provisioning, and deployment validation.
* CI/CD Pipeline Tools: Built and maintained custom tools to enhance CI/CD pipelines, integrating Jenkins, GitLab CI/CD, and AWS CodePipeline for seamless build, test, and deployment processes.
* Monitoring and Reporting Tools: Created custom tools to automate monitoring, logging, and reporting using AWS CloudWatch, Prometheus, and Grafana, enabling real-time insights into system performance and health.
* Infrastructure Management Tools: Developed tools to automate the management of AWS infrastructure, including EC2, S3, RDS, and Lambda, using Infrastructure as Code (IaC) principles with CloudFormation and Terraform.
* Cost Optimization Tools: Built tools to analyze AWS billing data, identify cost-saving opportunities, and automate resource scheduling to optimize cloud spending.
* Security Automation Tools: Designed tools to enforce security best practices, such as automating IAM role management, security group updates, and compliance checks across AWS environments.
* Disaster Recovery Tools: Developed tools to automate backup and disaster recovery processes, ensuring data integrity and minimal downtime during failures.
* API Integration Tools: Created tools to integrate AWS services with third-party APIs, enabling seamless data exchange and workflow automation.
* Performance Optimization Tools: Built tools to automate performance tuning and optimization of AWS resources, such as EC2 instances, RDS databases, and Lambda functions.
* Log Analysis Tools: Developed tools to parse, analyze, and visualize logs from AWS CloudWatch Logs, S3, and Elasticsearch, improving troubleshooting and operational efficiency.
* Serverless Automation Tools: Designed and implemented serverless tools using AWS Lambda (Python/Node.js) for event-driven tasks such as backups, scaling, and resource cleanup.
* Cross-Platform Tools: Built cross-platform tools (Linux/Windows) to automate tasks across diverse environments, improving team productivity and operational consistency.
* Managed Databricks Workspaces, Jobs, and Clusters across AWS/Azure/GCP.
* Designed roles and groups for users and resources using AWS Identity Access Management (IAM) and also managed network security using Security Groups, and IAM.
* Configured token-based security using OAuth 2.0 in APISIX for API access control and third-party integrations.
* Making changes and updating configuration files and pushing it to Bitbucket.
* Worked on containerizing and spinning up java spring boot, Node Js applications on Kubernetes Cluster.
* Worked on creating pipeline to automate application deployment on Kubernetes using Jenkins
* Built CI/CD pipelines to deploy Databricks notebooks and workflows.
* Managed and optimized cloud infrastructure for hosting .NET API services and web/mobile applications on Azure, AWS, or GCP, ensuring high availability and performance.
* Built Kubernetes operators and controllers in Go to automate cluster management tasks.
* Used Jenkins pipelines to drive all microservices builds out to the Docker registry and then deployed to Kubernetes, created Pods and managed using Kubernetes and Helm Charts.
* Used DataDog to monitor the application performance and logs.
* Implemented multi-region deployment strategies for .NET API services and web applications to ensure high availability and disaster recovery.
* Debug existing automation code and test to confirm functionality within AWS/EC2.
* Firm understanding & worked on Route Tables, Nat Instance, Nat Gateway, Peering & VPC endpoints
* Practical approach on placing the EC2 in public and private right sized subnets
* Setting-up VPC flowlogs and analyzing it through Cloudwatch logs insight.
* Azure IaaS workloads using Azure Site Recovery and Backup Vault, ensuring business continuity and data protection.
* Utilize AWS CLI to automate backups of ephemeral data-stores to S3 buckets, EBS and create nightly AMIs for mission critical production servers as backups.
* Integrated GitHub with CI/CD tools like Jenkins, GitHub Actions, or GitLab CI/CD for automated builds, tests, and deployments.
* Developed and supported key pieces of the company's AWS cloud infrastructure. Built and managed a large deployment of Ubuntu Linux instances systems with OpsCode.
* Utilized Golang for API development to support DevOps workflows and infrastructure automation.
* Design EC2 instance architecture to meet high availability application architecture and deploying, configuring, and managing servers in AWS.
* Worked on the installation and configuration of the monitoring tool Nagios and ELK Stack.
* Deployed and managed Databricks on cloud platforms like AWS, Azure, or GCP, integrating with services like S3, ADLS, or BigQuery.
* Extensively worked on Prometheus for monitoring metrics of Mongo DB, PostgreSQL, and MySQL database.
* Infrastructure buildout, maintenance and automation, collaborated with infrastructure team to maintain servers using Terraform for provisioning, Ansible for automating software configuration.
* Built Cassandra Cluster on both the physical machines and on Aws.
* Used Terraform to define their entire infrastructure simply by using configuration files and version control and also consistent command line interface (CLI) workflow to manage hundreds of cloud services.

**Environment:** Red Hat Enterprise Linux 6 and 7, Ubuntu 12, 14, Git, Maven, Jenkins, AWS, SonarQube, JFrog, Nagios and Ansible, ELK, Docker and Kubernetes.

# Client: Barclays, Whippany, NJ / Role: Azure DevOps Engineer / JAN 2020 to AUG 2022

## **Responsibilities**:

* Installation, Administration, Support and Maintenance of Red Hat Enterprise 4,5,6,7, Centos 5,6,7 and AIX on VMs and physical servers.
* Mobile Applications and .NET API Services as part of your DevOps responsibilities. Tailor them to your specific experience and achievements.
* Administrated server consolidation program through use of VMware ESX server and VMware Virtual Center, using Virtual Center, ESX, creating VMs, using/building VM templates and customization files, Snapshots and scheduling tasks.
* Expertise in Installation & Setup of code versioning tools like GIT/ SVN Repository (Version Control System) on Linux at client side.
* Set up and managed hybrid environments for .NET applications, ensuring seamless integration between on-premises systems and cloud platforms.
* Automated database migrations and updates for .NET applications using tools like Entity Framework and Flyway, ensuring seamless schema changes during deployments.
* Configured and managed API gateways (e.g., Azure API Management, AWS API Gateway) for .NET API services, enabling rate limiting, caching, and version control.
* Configured Azure Security using RBAC, Azure Security Center and Azure Monitor services.
* Worked as Axiom Developer and also have extensive experience using JENKINS CI/CD PIPELINES, MAVEN and ANT as a Build Tool for the building of deployable artifacts (war & ear) from source code.
* Designing and implementing for fully automated server build management, monitoring and deployment by Puppet.
* Used Terraform to deploy and scale Kubernetes clusters, VMs, and serverless functions.
* Collaborated with data engineering teams to deploy and maintain ETL pipelines on Databricks, improving data processing efficiency by 20%.
* Performed OS patching, upgrades, and migrations from legacy RHEL versions to newer releases with minimal downtime.
* Worked closely with development and security teams to ensure compliance with industry standards such as CIS benchmarks and NIST guidelines.
* Integrated Golang scripts in CI/CD pipelines, optimizing build, test, and deployment workflows.
* Used Rancher to host containerized application in Prod environment.
* Set up Terraform workspaces to manage multiple environments (dev, test, prod).
* Implemented HA, Reliable deployment models with Azure Classic and Azure Resource Manager.
* Wrote Ansible Playbooks with Python SSH as the Wrapper to manage configuration of Azure Nodes and Test Playbooks on Azure instances using Python and ran Ansible Scripts to provision Dev servers.
* Worked on puppet to create manifests and Modules to automate deployments and install rpms.
* Created Puppet manifests, profiles and roles module to automate system operations.
* Configured Azure Encryption for Azure Storage and Virtual Machines, Azure Key Vault services to protect and secure the data for cloud applications.
* Extensive working experience with broad range of Azure Cloud Services like EC2, S3, IAM, Auto Scaling, VPC, Route53, Lambda, Elastic search and Cloud Watch.
* Involved in firewall deployment and management in Azure such as Palo Alto, Azure Firewall.
* Designed roles and groups for users and resources using Identity Access Management (IAM).
* Expertise in setting up Docker daemon, Docker client, Docker hub, Docker registries, Docker images from Docker file and handling multiple images by storing them in containers to deploy.
* Worked on Kubernetes orchestration.
* Implemented Serverless Cloud Services using Azure Functions with application insights.
* Used Kubernetes for scaling the applications.
* Worked with others administrator to ensure Splunk is actively working and monitoring on the current infrastructure implementation.
* Created tuned alerts for event classes and error reporting and response mechanisms Integrated SolarWinds alerting functions with automated trouble ticket creation.
* Deployed applications on Azure Cloud using Elastic services AKS and Azure Container Services.
* Good experience in reviewing system logs and setting up cron jobs for backups and monitoring process.
* Supported several Servers in Dev, QA, Staging and Production environments plus primary support to all kind of issues for Red hat 5.x, 6.x and 7x Linux and VMware.

## **Environment:** Red Hat Enterprise Linux 5,6 and 7, CentOS 5, 6, 7, VMware, Active Directory, Puppet, Azure, Docker, Kubernetes, GIT, Service-now, Satellite, SolarWinds, Splunk.

**Client: Prime Therapeutics, MN, USA / Role: DevOps Engineer / MAY 2018 to DEC 2019**

**Responsibilities:**

* Setup and build AWS infrastructure various resources VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates.
* Build servers using AWS, importing volumes, launching EC2, RDS, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection.
* Deployed applications on AWS by using Elastic Beanstalk.
* Real-Time Monitoring: Configured and managed AWS CloudWatch to monitor the health, performance, and availability of EC2 instances, RDS databases, Lambda functions, and other AWS resources in real time.
* Custom Metrics and Dashboards: Created custom CloudWatch metrics and dashboards to track application performance, resource utilization, and operational health, providing actionable insights to stakeholders.
* Log Management and Analysis: Set up CloudWatch Logs to collect, store, and analyze logs from applications, servers, and AWS services, enabling efficient troubleshooting and debugging.
* Alarms and Notifications: Implemented CloudWatch alarms to trigger automated notifications (via SNS) and actions (via Lambda) for critical events such as high CPU usage, low disk space, or application errors.
* Automated Scaling: Used CloudWatch alarms to trigger auto-scaling policies for EC2 instances and ECS services, ensuring optimal resource allocation during traffic spikes or workload changes.
* Cost Optimization: Leveraged CloudWatch metrics to identify underutilized resources and optimize AWS infrastructure, reducing operational costs while maintaining performance.
* Participated in SCM tool evaluation selection and implementation. Proactively identified, implemented process and other operational improvements for build/release/deployment.
* Worked closely with multiple development and test teams to provide process design, management, and support for source code control, code compilation, change management, and production release management.
* Experience with Linux systems, virtualization in a large-scale environment, experience with Linux Containers (LXC) and Docker.
* Responsible for build and deployment automation using VM Ware ESX, Docker containers and Hudson.
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Experience executing the CI Jenkins build job for both Android and iOS application builds. Using GIT (Stash) tool as the source code repositories for all projects and Artifactory for all builds (ipa/apk) release repository.
* Manage AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers for GIT and Chef.
* Created Python scripts to totally automate AWS services which includes web servers, ELB, Cloud Front distribution, database, EC2 and database security groups, S3 bucket and application configuration, this script creates stacks, single servers, or joins web servers to stacks.
* Worked as Admin on JIRA tool. Customized the dashboard based on team's requirement.
* Added users, implemented Security and added new projects on JIRA.

**Environment**: AWS, Git, Maven, Chef, Jenkins, VDI, VPC, VPN, Route53, EBS, SQL, ELB, Cloud watch, Dynatrace, Docker, Jira, Kubernetes, AWSCLI, SPLUNK, Sonar, AWS Auto Scaling, Unix/Linux, Ruby

**Client: Cigna Corp, CT / Role: Build & Release Engineer / OCT 2015 to APRIL 2018**

**Responsibilities:**

* Responsible for installation and upgrade of patches and packages on RHEL 5/6 using RPM & YUM.
* Designed Continuous Build Process using Jenkins to prevent build failures.
* Supporting different projects build & Release SCM effort e.g. branching, tagging, merge, etc.
* Integrated GIT into Jenkins to automate the code check-out process. Used Jenkins for automating Builds and Automating Deployments.
* Managed build results in Jenkins and deployed using workflows. Installed Jenkins on a Linux machine and created a master and slave configuration to implement multiple parallel builds through a build farm.
* Planned, designed, developed infrastructure automation Puppet and Chef, for build and release process.
* Integrated delivery (CI/CD process) Using Jenkins, Nexus, Yum and puppet.
* Build artifacts (war, ear) are deployed into a Tomcat, WebLogic app server by integrating Scripts.
* Developed Ant and Maven scripts to automate the compilation, deployment and testing of Web, J2EE and applications.
* Experienced in authoring pom.xml files, performing releases with the Maven release plugin, of Java projects and managing Maven repositories.
* Have used Confluence to create, share and discuss content and projects.
* Created Perl & UNIX scripts for build and Release activities in QA, Staging and Production environments.
* Worked in JIRA to capture, organize and prioritize issues. administering JIRA for issue management.
* As a member of Release Engineering group, redefined processes and implemented tools for software builds, patch creation, source control, and release tracking and reporting, on UNIX platform.

**Environment**: GIT, Jenkins, Chef, Linux AMI, Apache Tomcat, JIRA, Ubuntu, Oracle server

**Client:** **Reliance, India / Role: Linux System Administrator / SEPT 2014 to SEPT 2015**

**Responsibilities:**

* Installed and configured RHEL, Solaris and Windows Servers.
* Monitored, analyzed, and responded to security events utilizing security event management and reporting tools.
* Worked on account, user and group administration, Permissions policy management and quota implementation.
* Oversaw System performance monitoring, tuning and log management.
* Aided in TCP/IP Networking troubleshooting and Linux Network Administration.
* Installed, configured, supported and security implementation on following service
* SSH: Configuring Servers, password-less authentication configuration.
* NIS: Server and client configuration.
* DNS: Server configuration and maintenance.
* Implemented and maintained server virtualization using VMware and Oracle Virtual Manager.
* Coordinated with application team in installation, configuration and troubleshoot issues with Tomcat server.
* Participated in setup Storage Area Network (SAN) and NAS, file system backup, and restore.

**Environment**: VMware, Red Hat, VERITAS, PAAS, BASH, Apache, JBOSS, IBM Server, MY SQL, LINUX, Puppet