** Subash Kondru**

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**PROFESSIONAL SUMMARY:**

Over 8 years of experience in **SRE, DevOps**, **Cloud, Build and Release Management**, **DevSecOps, Linux and UNIX system Administrator** with application configurations, code compilation, building, automating, managing, and releasing code from one environment to other environment and deploying to servers.

* Expertise in **Agile methodology** that promotes cross-functional teams and iterative development, which gives a structure for handling development and operational activities cooperatively.
* Experienced in designing, configuring, migrating, and managing cloud infrastructures utilizing **AWS** such as IAM, EC2, S3, AMI, EKS, Auto-Scaling, Security Groups, Route53, ELB, EBS, EMR, RDS, DynamoDB, SNS, SQS, CloudWatch, Code Pipeline, CloudFormation, Lambda, and CloudFront.
* Experience in **TypeScript** which includes writing **TypeScript-native SDKs** or wrappers around the **AWS SDKs** to make it easier for TypeScript projects to communicate with AWS services like Amazon API Gateway, Amazon DynamoDB, and AWS Lambda functions that can be triggered by various AWS events.
* Expert in several **Azure services** like Azure SQL, NoSQL, AKS, Storage and Network services, Azure Active Directory, API Management, Scheduling, Azure Autoscaling, PowerShell Automation, Azure Virtual Machines, Azure search, Azure DNS, gateway of Azure VPN.
* Experience in deploying applications and managing Storage using **Azure Storage Explorer** and worked on migration of on - premises servers to Confidential Azure.
* Hands-on experience in designing, planning and implementation for existing **On-Prem** applications to Azure Cloud, Configured and deployed Azure Automation Scripts utilizing **Azure** **stack** (Resource Groups, Azure Data Factory, Azure SQL, and ARM), Services.
* Experience in **GCP** by provisioning compute engine, GKE, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring components using the Terraform GCP Foundation modules.
* Experienced in using **GCP Cloud Monitoring service** to gather, analyze, and monitor logs to provide information on the apps and infrastructure's overall performance, availability, and general health.
* Experience in configuring the GCP Firewall rules in **Terraform** scripts to allow or deny traffic to and from the VM's instances based on specified configuration and used GCP cloud CDN to deliver content from GCP cache locations drastically improving user experience and latency.
* Experience using **Terraform** in a multicloud environment to create a unified infrastructure management system for resource management with only one set of configuration files, for consistency and reusability.
* Experience in using **Ansible** and **Ansible Tower** to automate time-consuming tasks, deploy critical apps quickly, actively track changes, and wrote many playbooks to manage Web applications.
* Created infrastructure in a coded manner (infrastructure as code) using **Puppet, Chef and Ansible** for configuration management of virtual environments, and Vagrant for virtual machine and resource control.
* Experience in utilizing **Istio** to manage the traffic flow between microservices using sophisticated traffic routing and load balancing features and used **Kubernetes Helm charts** to specify the infrastructure requirements for our applications.
* Expertise in Docker files to create **Docker images** and worked on container snapshots, removing Images, and managing **Docker volumes**.
* Experienced in **Docker** to implement a high-level API to provide lightweight containers that run processes isolation and worked on creation of customized **Docker** container images, tagged and pushed the images to the **Docker hub**.
* Created security policies in **Twist lock** to enforce vulnerability scanning and runtime protection for container images and automated the inclusion of **Twist lock** scans in the CI/CD pipeline.
* Experienced with **OpenShift,** security practices like image scanning for vulnerabilities, network policies to control communication between pods, and Role-Based Access Control to manage user permissions.
* Experienced in planning and executing the application **migration** to a cloud environment based on Windows Azure Pack.
* Experience in **data migrations**, ongoing data synchronization, backup and recovery, geographic data replication (Region and Availability Zones)and execution.
* Experience in maintaining **CI** environments with build automation tools like **Jenkins**, **GitLab**, Harness, **Azure DevOps** and extensively used **Jenkins** to streamline **CI/CD** process and automated Master-Slave configurations using temporary slaves.
* Played a pivot role in implementing **DevSecOps** Model across the organization, platform and implemented vulnerability checks at different phases.
* Utilized Amazon **GuardDuty** to continuously monitor for malicious activities and unauthorized behavior within the AWS environment and Implemented AWS **Security Hub** as a central location for security insights, automated compliance checks, and threat detection.
* Experienced in administrating **GitHub** which included install, upgrade, backup, adding users, creating repository/branches, performance tuning, troubleshooting issues and maintenance.
* Experience in handling SSL termination by decrypting incoming **SSL/TLS traffic** before forwarding it to backend servers and used **NGINX's** caching capabilities to improve application performance by storing frequently accessed content.
* Experienced in version control tools like Git, Bit Bucket, SVN and have extensively worked on build tools like **Maven**, npm, yarn, and MS Build.
* Experience in **AppDynamics**, **New Relic**, and **Dynatrace** to give insight performance and behavior of applications, services, and infrastructure to guarantee the quality, availability, and dependability of applications throughout the software development lifecycle.
* Experience in Splunk, **Prometheus** and **Grafana** to enable continuous monitoring, alerting, and visualization for proactive issue identification and rapid incident response.
* Experienced with using **DataDog** for the development of containerized applications and orchestration frameworks like Kubernetes to provide insights into the performance and well-being of pods, containers, and microservices and to guarantee the smooth operation of these systems.
* Experience in **Python scripts** to facilitate effective debugging and troubleshooting, ensuring high-quality automation solutions and Skilled in using Python to create interactive command-line interfaces (CLIs) for DevOps tools, simplifying configuration and deployment processes.
* Experienced in **Bash, Shell, Perl, YAML, Groovy** and **Ruby scriptings** to facilitate application deployment by handling tasks such as copying files, restarting services, and updating configurations to interact with APIs of various services, enabling automation of interactions with external tools and systems.
* Experience in **Linux/Unix** based platforms to allow central control over configurations, updates, Security Patches, ensuring consistency and reducing Operational risks.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Operating Systems** | Windows, Linux/Unix, Red Hat, Centos, and MAC OS |
| **Cloud Environment** | AWS, Azure, and GCP |
| **Build Tools** | Maven, Gradle, Yarn, NPM, MS build |
| **CI/CD Tools** | Jenkins, Azure DevOps, GitLab, Hernes, TeamCity and AWS CI/CD |
| **Scanning & Testing Tools** | SonarQube, Junit, Checkmarx, Fortify, Veracode, Black Duck |
| **Containerization Tools** | Docker, Docker Swarm, Kubernetes, AWS ECS, AKE, GKE |
| **Performing/Monitoring Tools** | ELK Stack, Nagios, Prometheus, Grafana, CloudWatch, Azure Monitor, Splunk, Dynatrace, AppDynamics NewRelic and Datadog |
| **Configuration Management Tools** | Ansible, Puppet, Chef, Terraform |
| **Scripting Languages** | Python, Shell Scripting, Ruby, Groovy, PowerShell, SQL, XML, YAML and Go |
| **Version Control Tools** | Git, Subversion, GitHub, Bitbucket |
| **Web/Application Servers** | WebSphere, Apache, Nginx, Tomcat, JBOSS, WebLogic |

**Alliance Bernstein L.P, NY, USA April 22 – Present**

**Sr. Cloud/DevOps Engineer**

* Involved in designing, configuring, and managing public cloud infrastructures utilizing **AWS** including EC2, Auto-Scaling, high-availability, fault tolerance, Elastic Load Balancer, S3, Lambda, cloud Front, RDS, VPC, Route53, cloud Watch, cloud Formation.
* Working on **migration** from on premise to **AWS** which includes Migrating existing applications, building new servers, deploying applications, setting up automation in new environment, creating CI/CD pipeline for Dev and Test environment.
* Designing and implementing automated provisioning of full stack application services (VPC, Security Groups, Instances, ELB) in AWS using **Terraform**.
* Using Terraform for creation of **CloudTrail** for auditing the AWS services and creating the RedShift cluster’s, IAM instance role to the EC2 instances.
* Working with **Terraform** Template key features such as **Infrastructure as a code**, Execution plans, Resource Graphs, Change Automation and extensively used Auto Scaling launch configuration templates for launching Amazon EC2 instances while deploying micro services.
* Maintaining **GitLab** runner instances in AWS which help in running the GitLab CI pipelines for developers and assisting them in deploying their applications into the Kubernetes cluster.
* Using **Jenkins** to communicate with a variety of AWS services, such as Amazon S3 for storing build artifacts, Amazon RDS for database deployments, and Amazon ECS for containerized apps and to trigger AWS CloudFormation templates, enabling the provisioning and management of **AWS infrastructure as code**.
* Implementing event-triggered **Lambda** functions to facilitate real-time data processing, enhancing application responsiveness and user experience.
* Successfully migrated monolithic applications to microservices architecture on Amazon ECS **Fargate**, resulting in improved resource utilization and scalability.
* Managing the AWS VPC network for the Launched Instances and configured the **Security Groups** and Elastic IPs accordingly.
* Working on AWS network including **VPC Peering**, Site-to-Site VPN, Transit VPCs, ELBs, NAT Gateways, Internet Gateways, Client Access VPN and VPC endpoints.
* Working on **Google Cloud Platform** services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager.
* Creating virtual network environments using the **cloud load balancing** service in **GCP** and managed networking services like **VPC** to distribute traffic around instances and regions.
* Setting-up databases in **GCP** using RDS, storage using **S3 bucket** and configuring instance backups to S3bucket. prototype CI/CD system with **GitLab** on **GKE** utilizing Kubernetes and Docker for the runtime environment for the CI/CD systems to build and test and deploy.
* Working on creating projects, VPC's, Subnetwork's, **GKE** Clusters for LLE to Prod environments using **Terraform**.
* Wrote **Ansible Playbooks** with Python SSH as the Wrapper to Manage Configurations of AWS nodes and tested Playbooks on AWS instances using Python.
* Using **Ansible modules** to carry out actions on managed nodes which are independent scripts and will run on remote hosts that are available as a variety of built-in modules for diverse uses, such as file manipulation, package management, and user management.
* Working with cross-functional teams to define and meet service level objectives (SLOs) while driving continuous improvement to enhance system stability and operational efficiency.
* Working with **AWS** tools and assist in building infrastructure or various web application documentation and security assessment.
* Creating and maintaining **Docker** environments for containerized microservice oriented environments and hosted images configured in a private **container registry**.
* Building a new pipeline and used **Docker** for virtualization of servers for test environments and dev-environment needs and configuration of automation using Docker container.
* Handling continuous integration with **Jenkins** by using various plugins like Global Build Stats, Multiple SCMs, Parameterized Trigger and Configuration Slicing to increase the productivity.
* Extensively working with Scheduling, deploying, managing container replicas onto a node using Kubernetes and involved in creating **Kubernetes** clusters using **Helm charts** for running on the same cluster resources.
* Creating private cloud using **Kubernetes** that supports development, test, production environments and managed local deployments in **Kubernetes** for creating local cluster and deploying application containers.
* Working in the PaaS service like **OpenShift** provided by the RedHat and Streamlined installation of **OpenShift** on partner cloud infrastructure such as AWS.
* Developing **CI/CD** system with **Jenkins** on Kubernetes container environment, utilizing Kubernetes and Docker for the runtime environment of the CI/CD system to build, test, deploy and troubleshooting pods through SSH and logs.
* Integrating technologies such as Docker and Kubernetes, a powerful cluster manager and orchestration system for running your Docker containers by using **OpenShift**.
* Setting up the **ELK stack** on GCP, automating the infrastructure of the Google cloud platform, and performed log analysis using **GCP Cloud Deployment Manager**.
* Designing automated scripts using cloud formation for data migrations, ongoing data synchronization, backup, recovery, **CloudWatch** performance monitoring, system tuning and disaster recovery configuration and execution.
* Supporting dozens of **Amazon AWS** implementations including Amazon EC2 (IaaS) and all Amazon RDS offerings which include provisioning, implementation, migration and monitoring support for Microsoft SQL Server, Oracle, MySQL, MariaDB, PostgreSQL and Amazon Aurora.
* Managing **Git** repository, code merging, and production deployments by applying appropriate branching, labeling/naming conventions using Subversion, Git source control.
* Implementing Security Scans like Static and Dynamic Application testing at each layer of DevOps life cycle and converted the existing DevOps methodologies/workflows to **DevSecOps** model.
* Using **MAVEN** , npm, yarn for the building of deployable Artifacts of source code and resolved the errors in pom.xml file to obtain appropriate builds using **Maven** build tool.
* Implementing and configured **AppDynamics** APM tool for various .Net and Java applications.
* Working with on-premises network, application, and server monitoring tools like **Splunk, Grafana, Prometheus** and **CloudWatch** on AWS and continuously monitored the performance of the applications on the production environment.
* Using **Python** scripts to update content in the database and automated Email process, downloading and uploading the files through Perl Scripting.
* Developing various helper classes needed following Core **Java** multi-threaded programming and Collection classes.

**Environment:** AWS, GCP, Terraform, Ansible, Docker, Kubernetes, Open Shift/Migration, Jenkins, GitLab, GIT, Maven, Monitoring, Python Scripting, Java.

**Prime Therapeutics, Atlanta, GA, USA August 2021 – March 2022**

**Sr. Azure DevOps Engineer**

* Worked with **Azure cloud services**, Azure storage, Azure active directory, Azure Service Bus and managed Azure AD tenants and configured application integration with Azure AD.
* Configured **Azure** Multi-Factor Authentication (MFA) as a part of Azure AD Premium to securely authenticate users and worked on creating custom Azure templates for quick deployments and also deployed Azure SQL DB with GEO Replication, Azure SQL DB Sync to standby database in another region &Fail over configuration.
* Worked on setting a private connection using **Azure** ExpressRoute to Microsoft cloud services such as a Microsoft Azure, Dynamic 365 and designed, configured VNets, subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing.
* Worked on resolving the issues with **Databases** migration to Azure Cloud by assessing the database for compatibility by using the latest version of the **Data Migration Assistant** (DMA).
* Implemented a CI/CD pipeline using **Azure DevOps** (VSTS, TFS) in both cloud and on-premises with GitHub, MS Build, Docker, Maven along with Jenkins plugins.
* Worked on Serverless services, created and configured HTTP Triggers in the **Azure Functions** with application insights for monitoring and performing load testing on the applications using the Visual Studio Team Services **(VSTS)** also called as Azure DevOps Services.
* Utilized **Azure Application Insights** to monitor application performance and availability, enabling rapid identification and resolution of issues.
* Worked with security teams to ensure compliance with **Azure security** best practices, including role-based access control (RBAC) and network security.
* Used **Terraform Code** to create virtual networks, virtual machines, storage accounts, databases, and load balancers, as well as to define needed **Azure Resources** in the Terraform configuration files.
* Written Templates for **Azure Infrastructure** as code using Terraform to build staging and production environments and created reusable **Terraform** modules in Azure cloud environment.
* Used **GIT** repository for storing **Terraform** files and converted existing Terraform modules that had version conflicts to utilize cloud formation during Terraform deployments.
* Involved in designing **ARM templates**, deployed to Azure Kubernetes and customized build process using PowerShell in Azure pipelines and created **Azure Backup** vault for backups.
* Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack monitoring using **Ansible** playbooks and Integrated Ansible with Run deck.
* Installed, Configured and Managed Docker Containers, Docker Images for Web Servers, and Applications servers such as Apache, Tomcat using Docker and integrated with **Amazon MySQL**.
* Built **Azure Disaster Recovery** Environment and Azure Backups from scratch using PowerShell Scripts and designed, deployed, and maintained a full stack **Kubernetes** environment on Azure.
* Configured **Kubernetes (k8s)** Clusters for running microservices and pushed microservices into production with Kubernetes backed Infrastructure and involved in development of automation of Kubernetes clusters via playbooks in Ansible.
* Deployed **Kubernetes** Cluster on cloud/on-premises environments with master architecture and wrote many **YAML** files to create many services like pods, deployments, auto scaling, load balancers, labels, health checks, Namespaces, Config Map.
* Involved in working on **Istio** installation to enable Node to Node encryption on Azure Kubernetes service for Security requirement that intercepts all network communication between micro services.
* Managed **migration** projects for multiple clients, assessing existing infrastructure, identifying migration paths, and executing migrations to Microsoft Azure.
* Built **Jenkins** pipelines to drive all microservice builds out to the **Docker registry** and then deployed them to Kubernetes, Created Pods and managed using Kubernetes.
* Created custom scripted pipelines in **Jenkins** using Groovy and integrated with **Azure Key Vault** for secure storage of sensitive configuration data.
* Created custom reports and dashboards using **Jenkins** and Azure Monitor to provide insights into the CI/CD process and application health.
* Involved in creating and managing a Docker deployment pipeline for custom application images in the cloud using **Jenkins** and worked on **Docker hub** and created Docker images.
* Implemented **GitLab** CI/CD pipelines for building, testing, and deploying applications to Azure environments, improving release frequency and software quality.
* Configured the Continuous Deployment pipeline using **Azure Pipelines** to automatically deploy the application to Azure whenever changes are pushed to **GIT** and CI tests pass successfully.
* Worked with **Docker** container snapshots, managing containers, directory structures, removing Docker images and Used Docker Swarm to maintain the cluster of containers and written a Docker compose file in YAML to spin up the containers at the same time.
* Developed build and deployment scripts using **MAVEN** as build tool, and integrated selenium in Jenkins, to perform the automated integration test.
* Integrated **Maven** with Jenkins for the builds as the Continuous Integration process and managed the maven artifacts using Nexus repository and build these Artifactory through Jenkins for continuous integration and continuous Deployment in Jenkins server build.
* Utilized **Prometheus, Datadog, Splunk** and **Grafana** to create custom dashboards and alerts, providing real-time visibility into application and infrastructure metrics.
* Worked on **PowerShell** Desired State Configuration (DSC) to ensure consistent configuration across Azure VMs, reducing configuration drift and enhancing security.
* Maintained high degree of competency across the Microsoft Application Platform focusing on .**NET Framework**, WCF, Windows Azure, and SQL Azure.
* Managed the provisioning and configuration of **Azure SQL Database** servers using Infrastructure as Code (IaaC) principles with Azure Resource Manager templates.
* Involved in dealing with **Windows AzureIaaS** - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, VPN, Load Balancing, Application Gateways, Autoscaling.
* Designed and deployed **Windows** Virtual Machines (VMs) in Azure, tailoring VM configurations to meet application requirements and performance needs.

**Environment:** Azure, Azure DevOps, Terraform, Ansible, Docker, Kubernetes, Migration, Jenkins, Git Lab, GIT, Maven, Monitoring, Power Shell Scripting, .Net, Database, Windows.

**M&T Bank, Baltimore, MD January 2019 – July 2021**

**DevOps SRE Engineer**

* Utilized **AWS** CLI to automate backups of ephemeral data-stores to S3 buckets, EBS and created AMIs for mission critical production servers as backups.
* Setup and build **AWS** infrastructure various resources like VPC EC2, S3, IAM, EBS, Security Group, Autoscaling, and RDS in Cloud Formation JSON templates.
* Migrated the Legacy applications into **GCP** platform and managed the GCP services such as Compute Engine, cloud storage, Big Query, VPC, Stack Driver, Load Balancing and IAM.
* Utilized **Google Cloud** Pub/Sub for event-driven architecture, enabling efficient communication and dynamic responsiveness between microservices.
* Used Terraform for **Cloud Automation** like setting up the target environment which comprises of VPC, subnet, security groups for the migrated server’s to be launched.
* Converted existing **Terraform modules** that had version conflicts to utilize cloud formation during **Terraform** deployments to enable more control or missing capabilities.
* Used **Terraform** for the design and development of the architecture and to automatically deploy resources in YAML or JSON format for an end-to-end transit hub connection in AWS.
* Written **Cloud Formation Templates (JSON)**& Terraform Templates from scratch for managing Resources (EC2, S3, IAM Policies, EFS, EBS, RDS, VPC, Security Groups, Route Tables) on AWS.
* Designed and developed **CloudFormation templates** to define infrastructure architecture, including compute instances, networking components, and storage resources.
* Wrote wrapper scripts to automate the deployment of **Cookbooks** on nodes to run the **Chef** client on the chef solo environment including bootstrapping of chef client nodes for provisioning.
* Integrated the **Docker container** orchestration framework with Kubernetes to create pods, config Maps, and deployments and scaled, deployed, managed several namespace versions of Docker containers using **Kubernetes**.
* Conducted performance testing and capacity planning using **OpenShift** auto-scaling capabilities, ensuring applications for handling varying workloads.
* Proficiently utilized **Jenkins** as a key automation tool to orchestrate continuous integration and continuous deployment (CI/CD) workflows across hybrid cloud environments, encompassing both AWS and GCP.
* Implemented multi-stage CI/CD pipelines in **Jenkins**, including unit testing, integration testing, and production deployments, ensuring code quality and reliability.
* Designed, implemented, and managed comprehensive CI/CD pipelines using **GitLab** CI/CD for applications deployed on both AWS and Google Cloud Platform (GCP).
* Implemented **Git** submodules and subtrees to manage dependencies and modularize codebases, enhancing maintainability and enabling easier collaboration among teams.
* Integrated the **JUnit** and **SonarQube** plugin to Jenkins to Publish the test result report and code quality check-up and uploaded the Artifact/Binaries to the Nexus Binary Repository Manager and Artifactory after every successful build from **Maven**.
* Worked with upgrades of all the **CI/CD** applications including **SonarQube**, Nexus-pro (Includes NEXUS IQ & NEXUS RM), Cloud bees Jenkins, Cloud bees, SCM Manager, Gitlab.
* Installed, configured, and Automated **Splunk**, **Dynatrace** as application performance manager and created different dashboards to monitor all the tools which are used in the application.
* Used **Python scripts** to update content in the database and manipulate files and Automated Email process, downloading and uploading the files through Perl Scripting.
* Implemented **Bash** and **Shell scripts** for automation of daily tasks, documented the changes that happen in the environment in each server, analyzing the error logs and the user logs.
* Worked on Installation, Configuration Data Base Servers like MySQL, MongoDB, on various **Linux** Distributions, Oracle Enterprise Linux, RedHat Enterprise Linux, Ubuntu Enterprise Linux.

**Environment:** AWS, GCP, Terraform, Cloud Formation Template, Chef, Migration, Jenkins, GIT Lab, Git, Maven, Monitoring, Python Scripting, Bash/Shell. Perl Scripting, Linux.

**Centura Health Broadmoor, CO March 2018 – December 2018**

**DevOps Engineer**

* Involved in designing and deploying multiple applications and utilizing **AWS** services like EC2, Route53, S3 RDS, SNS, SQS, Dynamo DB ELK and focusing on auto scaling in AWS cloud formation.
* Managed the **AWS** VPC network for the Launched Instances and configured the Security Groups and Elastic IPs accordingly. Worked with Cloud Trail, Cloud Passage, Check Marx, Qualys Scan tools for AWS security and scanning.
* Designed **AWS Cloud Formation templates** to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Converted AWS **Cloud Formation templates** to the Terraform templates and integrated with wrapper tools like Terra grunt to make the code more reusable across various platforms.
* As part of continuous integration and delivery (**CI/CD**) systems used Jenkins on Kubernetes container environments with **Docker** as the runtime environments to build, test, deploy, and troubleshoot pods utilizing SSH and logs.
* Proficient in designing, implementing, and managing **Docker**-based containerization strategies for applications deployed on Amazon Web Services (AWS) cloud infrastructure.
* Worked with Scheduling, deploying, managing container replicas onto a node using Kubernetes and experienced in creating **Kubernetes** clusters work with Helm charts running on the same cluster resources.
* Configured SSH, SMTP, Build Tools, and Source Control repositories in **Jenkins** and installed multiple plugins to Jenkins for configured proxy to get auto updates.
* Connected continuous integration system with **GIT** version control repository and continually build as the check-in come from the developer.
* Designed **ANT** and **MAVEN** scripts to automate the build process for JAVA projects in building artifacts for the source code.
* Worked on setting up **Splunk** to capture and analyze data from various layers of Load Balancers, Webservers, and application servers.
* Used Python programming for deployment of Java applications, implementation, and automation of **Shell scripts** for release and build automation.
* Developed custom **Python** scripts to interact with AWS APIs, enabling dynamic provisioning, configuration, and management of cloud resources.
* Automated **AWS volumes** snapshot backups for the enterprise using Lambda and python scripts.
* Created multiple Python, **Bash**, and **Ruby, Shell** Scripts for various application-level tasks.
* Developed custom **Perl** scripts for configuration management, log parsing, data manipulation, streamlining operational tasks and improving data accuracy and utilizing shell and **Bash** scripting to create deployment scripts, enabling consistent and repeatable application deployments across multiple environments.
* Setup and build **AWS infrastructure** various resources, VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in **Cloud Formation JSON** templates.

Experienced in monitoring and debug **performance issues** on different OS Linux (RHEL & Centos), Systems log management, **Data backup** and restoration with **UNIX** native tools (tar/dd).

**Environment:** AWS, Cloud Formation Template, Docker, Kubernetes, Jenkins, GIT, Maven, Monitoring, Python Scripting, Bash/Shell, Perl Scripting, Linux.

**Symphonize Solutions Pvt Ltd, Vijayawada, AP, India May 2017 – February 2018**

**Build & Release Engineer**

* Designed and implemented scalable, secure cloud architecture based on **Amazon Web Services**.
* Responsible for day-to-day build & deployments in pre-production and production environments.
* Proficient in utilizing **Puppet** for configuration management and automation of infrastructure components deployed on Amazon Web Services (AWS) cloud platform.
* Integrated **Puppet** with AWS OpsWorks for Chef Automate to streamline configuration management and application deployments.
* Assisted in **migrating** existing data centers into the AWS instances and automated backups by using shell scripting for Linux to transfer data in the **S3 bucket**.
* Designed, configured, and maintained **Jenkins** pipelines to automate the building, testing, and deployment of applications, resulting in faster and more reliable releases.
* Defined **AWS Security Groups**, which acted as virtual firewalls that controlled the traffic which is allowed to reach one or more AWS EC2 instances and Configuring and Networking of Virtual Private Cloud (VPC).
* Worked on Multiple **AWS instances**, set up the security groups, Elastic Load Balancer and AMIs, and Auto scaling to design cost-effective, fault-tolerant, and highly available systems.
* Created scripts in **Python** to automate log rotation of multiple logs from web servers and worked on Bootstrapping instances using Chef and integrated with auto-scaling.
* Installed, configured and Administrated of all **LINUX** servers, includes the design and selection of relevant hardware to Support the installation/upgrades of **CentOS 5/6, Ubuntu** operating systems.
* Setup of full networking services and protocols on Linux, including **NIS/NFS, DNS, SSH, DHCP, NIDS, FTP, TCP/IP,** and print servers to insure optimal networking and printing functionality.
* Monitoring day-to-day administration and maintenance operations of the company network and systems working on **Linux** and **Solaris Systems**.
* Worked on cronolog in **Linux servers** for managing the logs of the web servers and performed automation using shell, python and Perl scripts.
* Involved in creating logical volumes, backups, managed large hard disk farms and resized disk partitions using **Logical Volume Manager (LVM)** commands on Red hat Linux.

**Environment:** VMware, Linux, Windows, JSON, shell, CloudWatch, Python, Tomcat Server, Centos, Ubuntu, Ansible, Chef, JFrog, S3 Bucket, Glacier, AWS.

**Aboveo Defining Possible, Hyderabad, India May 2015 – April 2017**

**System Administrator**

* Performed system administration of **UNIX** servers by using Operating Systems of Solaris 2.7/8, Managed SUN Solaris, Compaq and Linux workstations and servers.
* Installation of patches and other software packages, Disk and File system management through Solstice Disk Suite on **Solaris** and other logical volume manager for another flavor of UNIX.
* Managed Disk File Systems, server Performance, Users Creation and granted file access Permissions.
* Involved in creating logical volumes, backups, managed large hard disk farms and resized disk partitions using **Logical Volume Manager (LVM)** commands on red hat Linux.
* Patch and package administration for installation of patches as per the company policy and installation of packaged application.
* Involved in developing custom scripts using **Shell** to automate jobs and maintenance of NIS, NFS, DHCP and DNS Servers on Solaris.
* Performed data processing and transformation using **Perl** and **Bash** scripts, facilitating data integration and analysis within complex pipelines.
* Managed and maintained **Windows** Server environments, including installation, configuration, ongoing monitoring and Oversaw Active Directory infrastructure, including user management, group policies, and security settings.
* Responsible for implementation and server provisioning (Linux & windows) for both physical, virtual and cloud builds on a global basis.

Assisted users with technical issues related to **Windows** operating systems, applications, peripherals, managed user accounts and access rights within Active Directory, ensuring proper permissions and security.

**Environment:** Bash/Shell/Perl Scripting, Linux, Windows.

**EDUCATION:**

* Masters in Computer Science from University of Bridgeport, CT.