**Akshitha S**

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**Professional Summary**

* Around 10 Years of experience in IT industry as **DevOps/CloudEngineer**, with high level proficiency in **Unix/ Linux Administrator**, Software **Configuration Management/ Release Management** Specialist and Cloud Management.
* Experience in IT industry within**Fusion Middleware,Configuration Management**, Change/Release/Build Management, System Administration, Support and Maintenance in environments like **Red Hat Enterprise Linux**, **CentOS**, **Sun Solaris**, **Windows** and expertise in automating builds and deployment process using Python and Shell scripts with focus on **DevOps** tools and **Public /private clouds** like **AWS, Azure, GCPVMWare**.
* Experience with various orchestration like **Docker** EE and Kubernetes platforms (GKE, EKS, **OpenShift, AKS, IKS, OKE**, etc.,)
* Expert **Shell, Python, Ruby, Modules, cookbooks, PowerShell** scripting skills create new, redesign, modify existing scripts to support and improve Java-based applications, data feeds, reporting, batch jobs, and overall system performance.
* Experience working with Amazon Cloud Administration which includes services like **EC2, S3, EBS, VPC, ELB, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, Security Groups** by focusing on high-availability, fault tolerance.
* Experienced in writing reusable Infrastructure as a code (IaC) module using **Terraform** for IaaS, PaaS and SaaS services in **AWS** Cloud and applied concepts of semantic version to achieve consistency across the module version releases.
* Implemented **AWS high availability** using AWS Elastic Load Balancing (ELB), which performed a balance across instances in multiple Availability Zones.
* Work within and across Agile teams to design, develop, test, implement, and support technical solutions across a full stack of development tools and technologies. And tracking all stories on **JIRA** and Version One
* Experience with **containerization and clustering** technologies like **Docker, Docker Swarm and** **Kubernetes.**
* Experience in setting up of **Docker** and creating new images and getting images from **Docker Hub, worked on Docker images** and containers for deploying applications.
* Installed, Configured and automated the **Jenkins** build jobs for continuous integration and **AWS** deployment pipelines using various plugins like **Jenkins EC2** plug-in and **Jenkins Cloud** formation plugin.
* Experience in using Configuration Management tools like **Chef** and **Puppet**. Authored many recipes and cookbooks for node management. Wrote many manifests for different modules to be configured remotely.
* Worked on chef server management console and understanding and working knowledge on all different components of chef server, nodes and workstations.
* Developed **Ansible Playbooks** to setup a **Continuous Delivery** pipeline. Deployed microservices, including provisioning Azure environments using Ansible Playbooks.
* Manage and Create Storage Account and Affinity Group in Azure Portal.
* Worked on Configuration of Internal load balancer, load balanced sets and **Azure** Traffic manager.
* Deployed and designed pipelines **through Azure data factory** and debugged the process for errors.
* Manage different **AZURE** environment for provisioning of Linux servers and services executed by the providers.
* Hands on experience in **Azure Development**, worked on **Azureweb application**, **App services**, **Azure** storage, **Azure SQL Database**, Virtual machines, Fabric controller, **Azure AD**, **Azure** search, and notification hub.
* Experience with built Elastic search, Log stash and **Kibana (ELK)** for centralized logging and then store logs and metrics into S3 bucket using Lambda function for more than two weeks.
* Deployed and configured Elastic search **ELK,Logstash and Kibana (ELK) for log analytics**, full text search, application monitoring in integration with **AWS Lambda and Cloud Watch.**
* Expertise in troubleshooting complex software issues, utilizing a combination of tools and techniques to quickly identify and resolve problems.
* Expertise in Scrum Methodologies such as Agile and Waterfall methods, software development lifecycle management, continuous integration, build and release management and managed environments.
* Administered various flavors of Linux (**RHEL**, **CentOS**, **Ubuntu**, **Solaris**, **Ubuntu, Fedora**) and worked on Logical Volume Manager (**LVM**), Kickstart, Bonding, **LAMP** and **LDAP**.
* Experience using a range of monitoring and profiling tools to measure application performance, identify potential issues, and optimize system resources.
* Proficient in analyzing system logs and debugging application code to identify and correct errors, including those related to memory management, concurrency, and I/O.
* Strong understanding of software development best practices, including code reviews, version control, and continuous integration/continuous deployment (**CI/CD**).
* Skilled in conducting root cause analysis and developing solutions to prevent future issues from occurring.
* Experience on working **with VMware Workstation**, **Virtual Box**, and **Oracle Virtual Machine**. Experience automating deployments on Servers using Blade Logic, JBoss, Tomcat, Web sphere.
* Strong customer **service**, **interpersonal** and **communication** (both verbal and written) skills.
* Ability to work in team-oriented, multi-tasking, fast-paced and matrix managed environments.
* 24/7 production on-call support on DevOps and multiple middleware products.

**Technical Skills:**

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| --- | --- |
| **SDLC** | **Agile, Scrum and Waterfall, DevOps.** |
| **Programming Languages** | **C, C++, Java, J2EE.** |
| **Web technologies** | **Servlets, JDBC, JSP, XML, HTML, Java Script.** |
| **Scripting** | **Shell, Bash, Python, Perl, Power Shell** |
| **Version control tools** | **GIT, SVN, ClearCase, CVS, Perforce.** |
| **Cloud** | **AWS, Azure, GCP, Open stack, VMware.** |
| **CI/CD tools** | **Jenkins/Hudson, Bamboo, Team city, Gitlab.** |
| **Build tools** | **ANT, Maven, MS Build.** |
| **Repository Manager** | **Nexus, JFrog.** |
| **Configuration Management Tools** | **Chef, Puppet, Ansible, Salt stack.** |
| **Continuous monitoring tools** | **Nagios, Prometheus, Grafana, Fog light, App dynamics.** |
| **Bug tracking and ticketing** | **JIRA, Bugzilla, Remedy, HP Quality Center** |
| **Web Servers** | **Apache, Ngnix, OHS, IHS, IIS.** |
| **Application Servers** | **WebLogic, Web Sphere, Apache Tomcat, JBoss.** |
| **Middleware** | **SOA Suite/OSB 11g/12c.** |
| **Databases**  **MongoDB** | **MySQL PRO, MS SQL Server, SQL Plus, Oracle 8i, 10g, 11g,12c,** |
| **Security tools** | **Wireshark, Nmap, Evident.io, Cavirin.io** |
| **Containers** | **Docker, Docker Swarm, Kubernetes, Mesos, OpenShift Container Platform** |
| **Platforms** | **Ubuntu, Red Hat LINUX, Oracle Linux, Windows XP/ 7/ 8/10, RHEL, CENT OS** |

**EDUCATION:**

**Bachelor of Technology (B.Tech) in Computer Science Engineering at JNTUH.**

**WORK EXPERIENCE:**

**IVANTI, UT Jan 2022 – Present**

**Sr Cloud Engineer**

**Responsibilities:**

* **Experience** with administration, maintenance and operations of different AWS Cloud resources and management services like **Elastic Beanstalk, S3, RDS, Lambda, SQS, Cloud Front, SNS, Cloud Watch**and **Cloud formation templates.**
* Migrating the MOD application to **MicrosoftAzure cloud** environment and developing the **Azure DevOps** pipelines to automate our application builds.
* Configure AWS **VPC** with public and private subnets, configured Routing tables, Internet gateway, ACL’s, Security groups.
* Creating alarms in **CloudWatch** service for monitoring the server’s **performance, CPU Utilization, disk usage** etc.
* Used **AWS lambda** to run servers without managing them and to trigger to run code by **S3** and **SNS**.
* Deployed **AWS Lambda** code from Amazon S3 buckets. Created a **Lambda** Deployment function and configured it to receive events from your S3 bucket.
* Used **IAM** for creating roles, users, groups and implemented MFA to provide additional security to **AWS** account and its resources.
* Deployed and managed cloud infrastructure on **GCP**, utilizing services such as Compute Engine, App Engine, and Kubernetes Engine.
* Designed and implemented scalable data storage solutions using **GCP** services such as Cloud Storage, Cloud SQL, Bigtable, and Firestore.
* Configured and optimized virtual networks using GCP's Virtual Private Cloud (VPC), including the setup of Cloud Load Balancing and Cloud CDN.
* Managed access controls and permissions through IAM on **GCP**, ensuring secure and compliant resource access.
* Designed **AWS Cloud Formation templates** to create custom sized **VPC, subnets, Security groups** to ensure successful deployment of Web applications.
* Created **AWS S3 Buckets**, Policies and on the IAM Role based polices customizing the **YAML CloudFormation** templates.
* Maintained and administered **GIT** source code repository and **GitHub** Enterprise.
* Performing Continuous Integrated delivery (CI and CD process) using **Jenkins.**
* Designing continuous deployment strategy for the **docker images usingFlux, perform rolling updates**, in **Kubernetes** and **AWS EKS**. Developed a **Jenkins Pipeline** to automate to push the **images** to ECR, and then deploying it in Kubernetes.
* Utilized Kubernetes service to deploy a managed **Kubernetes** cluster in **Azure** and created an **AKS** cluster in the **Azure** portal.
* Migrated moderate workloads from on premise to **Azure lamas**. Published web services APIs using **Azure API** management service.
* Worked directly with **Azure** Product team in tracking and resolving defects in the beta **Azure** IaaS offering.
* Written **Docker** files with best practices along with **Docker** linting, Docker container management along with volumes, container-based DB and services, Docker Artifactory configuration and setup.
* Responsible for providing subject matter expertise in Kubernetes and Docker in the Containerization technologies.
* Created **Kubernetes cluste**r with objects like **Pods**, Deployments, Services and Config Maps and created reproducible builds of the **Kubernetes applications**, managed **Kubernetes manifest files** and **Helm packages**.
* Used Gradleas a build automation tool that uses a Kotlin or Groovy-based domain-specific language to define build configurations, project dependencies, and custom build logic.
* Used Ant a build automation tool for usage of an XML-based configuration file for defining build targets, dependencies, and custom build logic.
* Used Maven dependency management system to deploy snapshot and release artifacts to **Nexus**to share artifacts across projects.
* Managed Sonatype **Nexus** repositories to download the artifactsazure like jar, war & ear during the build.
* Involved in development of test environment on **Docker** containers and configuring the **Docker** containers using **Kubernetes**. Utilized Kubernetes and Docker for the runtime environment of the **CI/CD** system to build, test deploy.
* Work with the development teams on the **CI/CD** process related to **Kubernetes** deployments.
* Perform Kubernetes cluster builds, upgrades, and configuration.
* Installed and administrated **Apache Kafka**.
* Apache **HTTP** Server: a free and open-source web server that is widely used on the Internet. It is highly configurable and supports many plugins, making it a popular choice for serving static and dynamic content.
* Work with **Kubernetes clusters** in multiple clouds and bare metal environments.Troubleshoot issues related to our Kubernetes clusters.
* Provided **Terraform** plugins to enable Terraform to interact with different APIs and cloud platforms. To allow in defining and managing resources across multiple cloud platforms using the same language and tooling
* Administrated **Linux** by installing patches and latest versions.
* Involved in creating **Ansible playbook** to cover the repetitive tasks and automated.
* Participate in research, **POC** for 3rd party integrations with Kubernetes, and testing new Kubernetes features and technologies.
* Setting up the environment using Kubernetes on Linux and cloud environmentValidating, backup Upgrade, large cluster using Kubernetes.
* Design, deployment, and configuration of servers and complex firewall environments
* Collection and documentation of IT related data
* Build and deploy the images and containers a/c to requirement by using Docker and push the code into the hosts.
* Build and deploy the application code using CLI of Kubernetes called kubectl, kubelet, kubeadm, microk8s.
* Provision infrastructure by using Ansible Playbooks.
* Automated Datadog Dashboards with the stack through Terraform Scripts. Configured CloudWatch and Datadog to monitor real-time granular metrics of all the AWS Services and configured individual dashboards for each resource Agents.
* Collaborated with the infrastructure, network, database, application, and BI teams to ensure data quality and availability.
* Install and configuration for security tools for Atlas, Ranger, Nifi by using the public clouds.
* Monitored Kubernetes clusters using Grafana and **Prometheus**.
* Monitor Hadoop cluster connectivity and security Manage and review Hadoop log files.
* Diligently teaming with the infrastructure, network, database, application, and business intelligence teams to guarantee high data quality and availability.
* Collaborating with application teams to install operating system and Hadoop updates, patches, version upgrades when required.
* Having Good experience with Java Support and resolved all build issues and pipeline issues and suggested the teams to upgrade spring boot versions.

**Environment**: **AWS EC2, Microsoft Azure, VPC, S3, GIT, VPC, Route53**, **Gitlab, Maven, Artifactory, SonarQube, Fortify, Jenkins, Ansible, Kubernetes, Terraform, Python, Ruby, XML, Shell Scripting, PowerShell,Golang, Nexus, JFrog Artifactory, Jenkins, Git, Jira, GitHub, Ansible, Docker, Windows Server, TFS, VSTS, LDAP, Splunk, Prometheus, Grafana.**

**Optum, MN Feb 2020 - Nov 2021**

**Sr Cloud Engineer**

**Responsibilities:**

* Involved in designing and deploying multitude applications utilizing almost all the AWS stack (Including **EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM**) focusing on high-availability, fault tolerance, and auto scaling in AWS Cloud formation,Worked on standard python packages **like boto and boto3 for AWS**.
* Used **AWS Beanstalk** for deploying and scaling web applications and services developed with Java, PHP, Node.js, Python & to perform application health checks. Integrated **AWS Lambda** with **AWS DynamoDB** to automatically respond to events in **DynamoDB streams**.
* Created alarms, monitored & collected log files **on AWS resources** using **CloudWatch** on **EC2** instance which generates Simple **Notification Service** (SNS).
* Involved in implementing **Ansible** configuration management and maintaining them in several environments on AWS cloud and **VMware**.
* Worked on multiple AWS instances like **Elastic Load Balancer** (**ELB), AIML,Security groups, and AMIs**, Autoscaling to design cost effective strategies.
* Setup managed and scaled **Amazon Elastic Search** cluster and used logstash along with **Kibana (ELK Stack)**, to analyze the logs and found out the outages and issues.
* Experience in creating, managing and utilizing **S3 buckets** and Glacier for archival storage and backup on AWS.
* Implemented AWS Code Pipeline and Created Cloud formation **JSON templates** in **Terraform** for infrastructure as code.
* Working with broad range of AWS Cloud Services like **EC2, ELB, Glacier, Cloud Front, Code Deploy, Elastic Beanstalk, Auto Scaling, Route53, AMI, SNS, SQS, DynamoDB, Elastic search** and**CloudWatch** and have in depth practical knowledge on other cloud services.
* Created **Python scripts** to automate **AWS S3 data** upload/download and control instance operations with AWS API.
* Create and maintain highly scalable and fault tolerant multi-tier **AWS** and **Azure** environments spanning across multiple availability zones using Terraform and **CloudFormation**.
* Maintained and developed Docker images for a **tech stack** including Cassandra, Kafka, Apache, and several in house written Java services running in **Google Cloud Platform (GCP)** on **Kubernetes**.
* Designed, deployed, and maintenance of a full stack Kubernetes environment, running on **Google Cloud Platform (GCP)** and setup alerting and monitoring using Stack driver in **GCP**.
* Understand the latest features like (**Azure DevOps, OMS, NSG** Rules, etc..,) introduced by **Microsoft Azure** and utilized it for existing business applications.
* **Apache Traffic Server** is a caching proxy server that can be used to accelerate content delivery and improve web application performance. It can cache both static and dynamic content and is highly scalable.
* Experienced developing web applications with **a Dynamo DB, Mongo DB**, **Elastic Search** or similar data store.
* Implemented continuous delivery framework using **Jenkins, Puppet,** and **Maven** on multiple environments.
* Experienced in using **Splunk**- DB connect for real-time data integration between **Splunk** Enterprise and rest all other databases.
* Developed and deployed serverless applications using **GCP** services such as Cloud Functions and Cloud Run.
* Utilized BigQuery for data analytics and implemented solutions for efficient data warehousing on GCP.
* Implemented monitoring and logging solutions using GCP services like Stackdriver or Cloud Monitoring for effective resource tracking and issue resolution.
* Automated infrastructure deployment using tools like Deployment Manager or Terraform on GCP, streamlining the development and release processes.
* Supported java applications and maintained without any High incidents.
* Creating, validating, and reviewing solutions and effort estimate of converting existing workloads from classic to ARM based **Azure Cloud** Environment
* Hands-on experience in developing **Microservices** solutions, experience on **Microservice tech stack** like Spring Boot and Distributed Cache.
* Worked on implementing backup methodologies by **Power Shell** Scripts for **Azure** Services like **Azure SQL** Database, Key Vault, Storage blobs, App Services etc.
* Created **Azure** services using **ARM** templates (JSON) and ensured no changes in the present infrastructure while doing incremental deployment.
* Developed the Code, ensure code quality and maintainability by evolving architecture and **tech stack**, code reviews and proper documentation.
* Building/Maintaining **Docker** container clusters managed by **Kubernetes, Linux, Bash,GIT**, **Docker**, on **GCP.** Utilized **Kubernetes** and **Docker** for the runtime environment of the CI/CD system to build, test deploy.
* Interfaced with system infrastructure, deployment and project teams to ensure continuous operation of build and test systems and assisted in incident management for **Unix Servers.**
* Automated applications and **MySQL** container deployment in **Docker** using **Python** and monitor them using **Nagios.**
* Configured Centralized log collection using Fluentd, **Logstash,Elastic search** and **Kibana (ELK)** stack for parsing common web server, app server logs, Syslog for intrusion detection.
* Virtualized servers in **Docker** as per **test environments** and **Dev-environments** requirements and configured automation using **Docker containers**.
* Responsible for **MongoDB** installation, configuration and administration. Also ensured connection to **RDS** database is running on **MySQL engines**.
* Implemented a generic **Golang** backend Restful server that allows asynchronous and sequential PIPEs to have fast and powerful APIs.
* Designed and implemented by configuring Topics in new **Kafka** cluster in all environments.
* Installed and maintained Apache Spark and Kafka.
* Deployed applications in Tomcat containers.
* Used **Splunk** to monitor the system logs as well as notify the incident management system upon exceeding thresholds.

**Environment:AWS EC2, VPC, S3, GIT, VPC, Route53, Maven, Jenkins, EBS, SQL, ELB, Cloud Watch, Cloud Formation, Docker, Kubernetes, Kafka, Jira, Terraform, AIML, Elastic Search**, **Tech stack**, **NIX/LINUX Bash,Golang, Shell script, Python,Apache Tomcat, MongoDB, Oracle DB.**

**Freddie Mac,VAOct 2015–Dec 2019**

**Cloud2 Engineer**

**Responsibilities:**

* Involved in designing and deploying multitude applications utilizing almost all of AWS stack
* Created fully automated continuous integration, continuous delivery, continuous deployment pipelines, DevOps
* processes and tools for multiple projects using **Chef** and AWS.
* Used Maven as a build tools on java projects for the development of build artifacts on the source code.
* Created various POC’s of CI/CD pipelines by integrating source control tools GIT, GitHub, Build tools like Ant and
* Maven managed Chef Cookbooks to automate system operations.
* Integrated **GCP** with collaboration tools such as Git, Jenkins, and CI/CD pipelines to enhance development workflows.
* Orchestrated containerized applications using **GCP**'s Kubernetes Engine, ensuring scalability, reliability, and efficient resource utilization.
* Implemented machine learning solutions on **GCP** using services like AI Platform, incorporating models for predictive analytics and pattern recognition.
* Developed and maintained data pipelines on **GCP**, leveraging services such as Cloud Dataflow or Apache Beam for efficient data processing and ETL tasks.
* Built **Jenkins** jobs to create AWS infrastructure from **GitHub** repos containing **Terraform** code.
* **GIT** mirror implementation for SVN repository, enabling users to work on **GIT** and SVN simultaneously.
* Used **AnsiblePython Script** to generate inventory and push the deployment to AWS Instances.
* Written multiple manifests and customized facts for efficient management of the **Ansible** clients.
* Written Cloud formation templates and deployed AWS resources using it.
* Deployed and managed cloud resources on Microsoft **Azure**, including Azure Virtual Machines, Azure App Service, and Azure Kubernetes Service (AKS).
* Designed and implemented scalable data storage solutions using **Azure** Storage services, such as Blob Storage, Azure SQL Database, and Azure Cosmos DB.
* Involved in migration from **SVN** to **GIT** repos and worked with Linux sys admins for the same.
* Created a **SPLUNK** search processing Language (SPL) queries, reports and dashboards.
* Integrated tools like **Maven/Nexus, Jenkins, GIT, Confluence and Jira**.
* Defined Release Process &amp; Policy for projects early in **SDLC**.
* Created **Docker** images using a Docker file, worked on Docker container snapshots, removing images, andmanaging Docker volumes.
* Configured and optimized virtual networks on **Azure**, including the setup of Azure Virtual Network (VNet), Azure Load Balancer, and Azure Application Gateway.
* Configured and setup Kubernetes Cluster environment with master and Nodes. Managed local deployments
* in Kubernetes using minikube, creating local clusters and deploying application containers.
* Worked on designing and deploying a multitude application utilizing almost all the main services of the **OpenStack**
* Used Ansible Script to generate inventory and push the deployment to AWS Instances.
* Installed and Configured Jenkins for Automating Deployments and providing an automation solution.

**Environment: AWS, Git, Maven, Chef, Jenkins, VDI, VPC, VPN, Route53, EBS, SQL, ELB, Docker, Jira, Kubernetes,**

**AWS CLI, SPLUNK, Sonar, AWS Auto Scaling, Unix/Linux, Ruby.**

**Oriental Bank of Commerce, India May 2014– Sep 2015**

**Devops Engineer**

**Responsibilities:**

* **Worked on Implementing** and setting up **Route 53** (AWS DNS service) for AWS **Web Instances, ELB, Cloud Front** and **Elastic Beanstalk** on AWS Environment and worked on **Route 53** for Failover and Latency Based Routing to the client's websites with weighted routed policies.
* Created **Python scripts** to totally automate AWS services which includes **web servers, ELB, Cloud Front distribution, database, EC2 and database security groups** and **application configuration**, this script creates stacks, single servers, or joins web servers to stacks.
* Managing AWS infrastructure and automation with **CLI** and **API**. working on Inbound and Outbound services with automation **CHEF**. Deployed multiple resources simultaneously, using **Cloud Formation templates** in AWS.
* Managed access controls and permissions through **Azure** Active Directory (AAD) and IAM on Azure, ensuring secure and compliant resource access.
* Used **Splunk** Deployment Server to manage **Splunk** instances and analyzed security-based events, risks & reporting and Monitored and track **Splunk** performance problems, administrations and open tickets with **Splunk** if there is need.
* Created the **Docker** file built various containers using **Docker** Engine and **Docker** Machine environments and working on several **Docker** components like **Docker** Engine, Hub, Machine, Compose and **Docker** Registry.
* Developed and deployed serverless applications using **Azure** Functions and Logic Apps, leveraging the serverless capabilities of the Azure platform.
* Written the **Python script** for Prometheus Alert-manager alerts to send and run the alerts in **Linux** VM.
* Used the **boto3** module in **Python** to interface with Amazon Web Services (AWS) like DynamoDB, which is a **NoSQL** database service that provides fast and predictable performance with seamless scalability.
* Hands on experience like **Tech stack** includes **Core Java, Java technologies, Angular JS, Hive, HQL, SQL, Sqoop, Oozie, Map/Reduce, Impala, Spark, Kafka and Tableau**.
* Configuring and building monitoring tools using technology such as **Splunk** and **SignalFX.**
* Implemented robust security measures on **GCP**, including VPC security controls, encryption, and identity management, ensuring compliance with industry standards.
* Implemented cost optimization strategies on **GCP**, utilizing tools and best practices to manage and optimize resource spending while maintaining performance.
* Designed and implemented solutions for multi-cloud environments, ensuring seamless integration and interoperability between **GCP** and other cloud platforms.
* Developed and tested disaster recovery plans on **GCP** to ensure business continuity, utilizing services like Cloud Storage for data backup and recovery.
* Integrated **Azure** with Azure DevOps for streamlined CI/CD workflows, covering source code management, build pipelines, and release pipelines.
* Installed Jenkins/Plugins for **GIT** Repository, Setup SCM Polling for Immediate Build with **Maven** and **Maven Repository** (Nexus Artifactory) and Deployed Apps using custom **ruby** modules through **Chef** as a CI/CD Process.
* Configured **SSH, SMTP,** **Build Tools,** and Source Control repositories in **Jenkins**. Installed multiple plugins to **Jenkins**. Configured Proxy to get auto updates.
* Develop build and deploy scripts using **Maven** as build tools in **Jenkins** to move from one environment to other environments. Managed **Maven** project dependencies by creating parent - child relationships between projects.

**Environment: AWS, CLI, API, CHEF, Splunk apps, Splunk lookups, Splunk, SignalFX GitHub++,Docker file, Maven Repository, Nexus, Maven, SSH, SMTP, JSON, Python Scripts,Boto3.**

**PNC Bank, India May 2013 – Apr 2014**

**Build & Release Engineer**

**Responsibilities:**

* **Worked closely with** the development teams to build the continuous integration and continuous Delivery **Pipelines** using **GIT**, **Jenkins**, **Circle-CI, Travis-CI**and **Maven**.
* Implemented a **CI/CD pipeline** with **Docker**, Jenkins and **GitHub** by virtualizing the servers using **Docker** for the Dev and Test environments by achieving needs through configuring automation using **Containerization**.
* Implementing Configuration Management tools like **Puppet** and **Chef**.
* Created Chef driven configuration of user accounts and Installed packages on **Chef** only when necessary, by managing the attributes and involved in setting up builds using **Chef** as a configuration management tool.
* Implemented web applications using **AWS cloud.**
* Utilized **Azure** database services, including Azure SQL Database, Azure Database for PostgreSQL, and Azure Database for MySQL, for efficient data management.
* Migrated **JIRA** and its 72 servers from Legacy Brownfield environment to the latest hardware in Greenfield environment.
* Integrated and configured **JIRA** with Blueprint and **Tasktop** application.
* Automated **JIRA** upgrade using **AWX** Ansible Tower.
* Handled number of critical incidents and documented for future purpose.
* POC for a new tool, Legit security with Kubernetes which can perform security scans for tools.
* Implemented Pluralsight flow application in Linux using Kubernetes.
* Integrated **GITLAB** with **Pluralsight** application.
* Collaborated with DevOps teams to streamline continuous integration and continuous deployment (CI/CD) workflows on **GCP**, improving development efficiency.
* Integrated Internet of Things (IoT) solutions with **GCP** services, handling data from connected devices and leveraging tools like Cloud IoT Core for management.
* Provided training and documentation for teams on **GCP** best practices, ensuring a smooth transition to cloud-based solutions and fostering knowledge sharing.
* Worked on in creating various modules and automation of various facts in **Puppet**, adding nodes to enterprise **Puppet Master** and managing **Puppet agents**. Creating Puppet manifests files and implementing Puppet to convert IaC.
* **Integrated Rbucket** with **JIRA** for transition **JIRA issues** from within Bitbucket Server and monitored the JIRA issues in Bitbucket Server.
* Implemented monitoring and logging solutions using **Azure** Monitor and Azure Log Analytics for effective resource tracking and issue resolution.
* Design, create and support custom **JIRA workflows**, fields, queries, projects, User Permission, advanced Filters, dashboards, and reports.
* Determine and eliminate redundant work efforts by automation, reduce complexity and administrative burden.
* Installed, managed, and administer Jira plugins.
* Acted as a point of contact for **JIRA**-related issues and provided timely resolution to problems.
* Understand and Configure integrations with 3rd party applications and internal tools as necessary.
* Resolve issues as they arise with **JIRA Projects** and Confluence in coordination with other admins, partner teams, Atlassian premier support.
* Implemented and configured **Nagios** for continuous monitoring of applications and enabled notifications via emails and text messages.
* Implemented governance policies and ensured compliance with **Azure** Policy and Azure Blueprints, contributing to a secure and well-managed Azure environment.
* Built and managed a highly available monitoring infrastructure to monitor different application servers and its components using **Nagios**.
* Implemented cost management strategies on Azure, utilizing tools like Azure Cost Management and Azure Advisor to optimize resource spending.
* Designed and scripting using **Ant** for **J2EE, Web Services, Reusable JARS, Web Client** and Open Source in creating Master build.xml build Properties and provided technical support to the development team for compilation problems.

**Environment: Chef, Jenkins, Nagios, GitHub++, Load Balancer, SNS, Maven, GitHub, Python, Ruby, JIRA, Kickstart, VMWare Templates**.