**Akshitha S**

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**Professional Summary**

* Around 10 Years of experience in IT industry as **DevOps**/**Agile operations**, 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, GCP VMWare**.
* 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 **Azure** **web 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 DevOps 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 Microsoft Azure 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.
* Proficient in both Windows and Linux server administration, managing system configurations, security, and performance optimizations.
* 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.
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, Security groups to ensure successful deployment of Web applications.
* Extensive experience in deploying, configuring, and managing Splunk for log analysis and monitoring.
* Proficient in creating and customizing Splunk dashboards to visualize key performance indicators.
* Skilled in developing and maintaining Splunk queries and reports for actionable insights.
* 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 using Flux, 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.
* Applied Python scripting to automate routine tasks, resulting in a significant reduction in manual effort and increased efficiency.
* Conducted Git training sessions for team members, ensuring consistent and effective use of version control best practices.
* Solid Java and Python development skills, contributing to the design and implementation of scalable and efficient applications.
* Led the design and implementation of Jenkins pipelines, automating the entire CI/CD lifecycle for multiple projects.
* 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.
* Utilized Dynatrace insights to troubleshoot and resolve critical performance issues, minimizing the impact on business processes and ensuring high availability.
* Implemented SolarWinds alerting mechanisms, reducing response time to network and infrastructure issues and proactively preventing potential disruptions.
* Utilized SolarWinds Log Analyzer to aggregate and analyze log data, facilitating quick identification of security incidents and abnormal system behavior.
* Engineered custom SolarWinds alerts and reports tailored to the organization's specific needs, improving the precision of issue detection and resolution.
* Responsible for providing subject matter expertise in Kubernetes and Docker in the Containerization technologies.
* Created Kubernetes cluster 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 Gradle as a build automation tool that uses a Kotlin or Groovy-based domain-specific language to define build configurations, project dependencies, and custom build logic.
* Integrated Jenkins with AWS services, leveraging Groovy scripts to automate infrastructure provisioning, configuration, and deployment.
* Engineered a robust observability framework using Dynatrace, reducing system downtime by 15% through proactive identification of performance bottlenecks and rapid incident response.
* Spearheaded the configuration of SolarWinds for network infrastructure monitoring, resulting in a 20% improvement in overall network reliability and preemptive issue resolution.
* Led the seamless integration of Dynatrace into CI/CD pipelines, enabling continuous monitoring throughout the software development lifecycle and contributing to a culture of automation.
* 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.
* Demonstrated expertise in object-oriented development, applying best practices to create maintainable and extensible codebases.
* Successfully contributed to the development of software with a focus on creating testable solutions.
* Demonstrated a consistent track record of building and maintaining software for long-term reliability.
* Proven ability to design and implement software solutions that are easily maintainable over time.
* Demonstrated proficiency in developing Python scripts for system monitoring, log analysis, and other DevOps-related tasks.
* Implemented Git hooks for automating pre-commit and post-commit actions, improving code quality and integration processes.
* Participate in research, POC for 3rd party integrations with Kubernetes, and testing new Kubernetes features and technologies.
* Led incident response efforts, minimizing downtime and ensuring the continuous availability of critical systems.
* Established best practices for Jenkins job configurations, ensuring consistency and reliability across diverse projects.
* Setting up the environment using Kubernetes on Linux and cloud environment Validating, backup Upgrade, large cluster using Kubernetes.
* Proven expertise in implementing and managing Dynatrace for end-to-end application performance monitoring.
* Hands-on experience in configuring Dynatrace agents for various application components.
* Skilled in utilizing Dynatrace to identify and troubleshoot performance bottlenecks in real-time.
* Design, deployment, and configuration of servers and complex firewall environments
* Expertise in automation through Ansible for configuration management, Bash scripting for task automation, and Terraform for Infrastructure as Code (IaC).
* Integrated DevOps practices seamlessly into Agile methodologies, enhancing the agility and responsiveness of the development and deployment processes.
* Utilized Python for integration with third-party APIs, enhancing the interoperability of various tools within the DevOps toolchain.
* 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.
* Conducted thorough root cause analyses of production issues, implementing preventative measures to enhance system stability.
* Integrated SolarWinds with Active Directory for user authentication, ensuring secure access control and traceability of user activities within the monitoring system.
* Conducted regular performance tuning of SolarWinds configurations, optimizing resource utilization and ensuring scalability for monitoring a growing infrastructure.
* Develop custom scripts or plugins to integrate monitoring solutions with diverse components, ensuring holistic visibility into system health.

**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 Devops 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.
* Extensive experience with Atlassian products including Bitbucket, Crowd, Confluence, Artifactory, SonarQube, and ECR for comprehensive CI/CD and collaboration.
* 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.
* Implemented automated workflows using configuration management tools to enforce system compliance with security policies.
* 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.
* Developed and maintained Python modules to extend the functionality of existing automation scripts and tools.
* Collaborated with cross-functional teams to optimize AWS resource utilization, implementing cost-effective and scalable solutions.
* Proficient in Git version control with expertise in branching, rebasing, merging, tagging, and other Git workflows.
* 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.
* Demonstrated expertise in fine-tuning Dynatrace settings, optimizing resource utilization, and enhancing the precision of anomaly detection for critical applications.
* Conducted in-depth analysis of SolarWinds logs, identifying and resolving complex network issues, and implementing preventive measures to enhance overall system stability.
* Collaborated with cross-functional teams to develop comprehensive documentation for Dynatrace and SolarWinds configurations, facilitating knowledge transfer and standardization.
* Collaborated with cross-functional teams to integrate Splunk into the overall monitoring and alerting strategy.
* 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.
* Conducted regular reviews of Jenkins pipeline performance, identifying and implementing enhancements to improve build and deployment speed.
* Automated compliance checks and audits within the CI/CD pipeline, streamlining adherence to regulatory requirements and internal policies.
* 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.
* Implemented automated alerting and notification systems based on Dynatrace insights.
* Successfully optimized application performance based on Dynatrace recommendations.
* Collaborated with development and operations teams to enhance overall system reliability using Dynatrace data.
* 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.
* Collaborated with developers to establish Git workflows that aligned with Agile methodologies, fostering efficient collaboration.
* Managed versioning and release processes for large codebases, ensuring smooth deployments and rollbacks when necessary.
* 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.
* Experience with both relational databases (MySQL, Postgres) and NoSQL databases (DynamoDB), ensuring the right choice for data storage needs.
* Implemented SolarWinds Network Configuration Manager (NCM) to automate configuration backups, track changes, and enhance compliance with regulatory requirements.
* Collaborated with cybersecurity teams to leverage SolarWinds Security Event Manager (SEM) for real-time threat detection and response, improving overall system security posture.
* Developed Groovy scripts for dynamic AWS resource creation, enhancing flexibility in handling different deployment scenarios.
* Implemented best practices in the use of Dynatrace and SolarWinds, ensuring alignment with industry standards, compliance requirements, and optimal tool performance.
* Actively participated in the Dynatrace and SolarWinds community forums, staying abreast of the latest features and sharing insights with the broader community.
* Played a pivotal role in training sessions for development and operations teams, enhancing their proficiency in utilizing Dynatrace and SolarWinds for effective monitoring.
* Collaborated with the development team to integrate configuration management into the CI/CD pipeline, promoting seamless code deployment.
* 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.
* Implemented a generic Golang backend Restful server that allows asynchronous and sequential PIPEs to have fast and powerful APIs.
* Implemented proactive monitoring and alerting systems to identify potential issues before they impacted system performance.

**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, VA Oct 2015 – Dec 2019**

**Devops 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.
* 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 Ansible Python 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.
* 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.
* Spearheaded continuous improvement initiatives, identifying bottlenecks in development and deployment processes and implementing solutions for increased efficiency.
* Defined Release Process &amp; Policy for projects early in SDLC.
* Created Docker images using a Docker file, worked on Docker container snapshots, removing images, and managing Docker volumes.
* Competency in observability tools such as Splunk, Dynatrace, Prometheus, Grafana, and Thanos, ensuring visibility into system performance and troubleshooting.
* 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.
* 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.
* 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.
* 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.
* 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 purposes.
* 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.
* 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.
* 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 administered 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.
* Built and managed a highly available monitoring infrastructure to monitor different application servers and its components using Nagios.
* 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**.