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| **Keerthi Sagar**  **Sr.DevOps/Cloud Engineer**  **Phone: +1 (848) 863-9085**  **Email:** [**gvksagar86@gmail.com**](file:///C:\Users\USIT-\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\3D4KUSYQ\gvksagar86@gmail.com) |  |

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**Professional Summary:**

* Over 9+ **years** of experience in on **IT** expertise prioritizing **CI/CD, Automation** of **Configuration Management**, **Security**, **build/release**, **Cloud Resource Utilization, Infrastructure Automation, AWS, AZURE etc.**
* Proficient in DevOps culture through CI/CD tools like source code repos (**GIT, Bit Bucket), Jenkins,** binary code repos (**Nexus, Artifactory**), configuration management tools like **Chef, Ansible & Puppet.** Had set up staging and production environments for CI workflow.
* Experience in Infrastructure Development and Operations involving AWS cloud platforms, **EC2, EBS, S3, VPC, EMR, RDS, ELB, Auto Scaling, Cloud Front, Cloud Formation, Elastic Cache, Cloud watch, SNS, SQS, DynamoDB.**
* Strong Experience on **AWS** platform and its dimensions of scalability including **VPC**, **EC2**, **ELB**, **S3**, and **EBS**, **ROUTE53**.
* Micro Services, API’s and Software App’s development using Java, Spring Boot,
* IAM/Code Commit/Code Build/Code Deploy and Code Pipeline for CI/CD.
* Creating Dash Board In **Sumo Logic**, writing query, set up an alert.
* Flowing all kinds of logs into Sumo Logic like **OS logs, Application logs, Docker logs**.
* Hands on experience with **Chef, Ansible, AWS, Ruby, Vagrant, Pivotal Tracker, Bash** and middleware tools.
* Skilled in Jenkins and Urban Code Deploy pipeline setups for UNIX, Informatica, Tibco, and database deployments.
* Good experience in monitoring platforms like **Nagios, Splunk and AppDynamics**.
* Experienced in **AWS Cloud** platform with features **EC2, VPC, ELB, Auto-Scaling, Security Groups, IAM, EBS, AMI, RDS, S3, SNS, SQS, CloudWatch, CloudFormation.** Experienced in maintaining the Hadoop cluster on **AWSEMR**. Automating AWS EMR, Building AWS Data solution, Building Infrastructure as a service using Cloud Formation.
* Experience in Selenium WebDriver using Java scripting (Web driver and JDK)
* Experience in Selenium JAVA oracle Database Automation (ODBC).
* Experience in Build automation tools like **Jenkins**, **Ant**, **Maven**.
* Expert in using different source code version control tools like **GIT** and **Subversion**.
* Application Deployments & Environment configuration using **Ansible** and **AWS**.
* Experience with **Linux**/**UNIX** environments and scripting for Test automation.
* Deploying and maintaining Micro services using **Docker.**
* Proficient in Cloud Orchestration and automation using **AWS** and **Google Cloud.**
* Expertise in **Azure resources such as AKS, ACS, VPN, Azure VM, VMNet, VMSS, Azure AD, Azure Data Services, Azure Storage, Azure Databases (SQL & Cosmos DB ), Azure Backup, Azure Site recovery, Azure Batch, API Management, Azure App Services .**
* Good knowledge and worked on several**, Google Cloud Platform and OpenStack L**aaS, PaaS and SaaS tools.
* A strong working knowledge of IP networks, knowledge of network transport/protocols and proven experience with significant knowledge, technical depth, and sustained expertise on: o Datacenter Servers, Storage, Networking, and security products.
* Experienced in migrating servers from private **datacenter** to AWS cloud.
* Ability to build deployment, build scripts and automated solutions using scripting languages such as Shell scripting (kasha, Bash), Python, Ruby, PHP PERL.
* Excellent in Setting up monitoring tools like **Nagios** and **Amazon Cloud watch** to monitor major metrics like Network packets, CPU utilization, Load Balancer Latency.
* Experience in various scripting languages like Shell, Ruby and Python focus on **DevOps** tools, **CI/CD and AWS Cloud Architecture**.
* Good understanding **of Pivotal cloud foundry (PCF)** Architecture (Diego Architecture), PCF components and their functionalities. Experienced in using Pivotal Cloud Foundry (PCF) CLI for deploying applications and other CF management activities.
* Expertise in **Unit Tests development** for Firmware/Software testing in Python using **TCP/IP, UART, RS232, UDP** protocols.
* Experienced with automating release process using **Maven**, **Jenkins**, **Jira** as tools in diversified project environment.
* Experience working on several Docker Components like **Docker Engine, Hub, Machine**, creating **Docker Images**, **Docker Registry** and handling multiple images.
* Well versed with **Ansible Playbooks, modules** and **roles**. Ensure data integrity and data security on **AWS** technology by implementing AWS best practices.
* Used **Kubernetes** to deploy scale, load balance, scale and manage **docker** containers with multiple namespace versions.
* Expertise in Querying **RDBMS** such as **Oracle, MY SQL** and **SQL Server** by using SQL for data integrity.
* Proficient with managing **IPtables** and services like; **HTTP, LDAP, SMTP, IMAP, DNS, DHCP, LDAP.**
* Hands on expertise with configuration tools like **Chef, Puppet, and Ansible.** Created several **Manifests, Play Books, and Cookbooks** to automate infrastructure maintenance & configuration.

**Technical Skills:**

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| Cloud Platforms | AWS, Azure, GCP, PCF |
| Automation Tools | Ansible, Terraform, CloudFormation, Chef, Puppet, |
| Continuous Integration (CI) | Chef, Docker, Vagrant, Bamboo, Hudson, Jenkins |
| Version Control Tools | GIT, Bitbucket, Github |
| Monitoring tools | Nagios, Wily, Splunk and AppDynamics |
| Infrastructure As Code | Terraform, AWS Cloud formation, OpenStack |
| Configuration Management | Ansible, Chef, Puppet |
| Web Servers | Apache Tomcat, Nginx, WebLogic, Web Sphere |
| Database Systems | Oracle DB, MySQL, AWS RDS, Dynamo DB, Redis |
| Scripting Languages | Perl, Python, Ruby, Bash/Shell Scripting, Groovy |
| Application Servers | Apache Tomcat, Nginx, WebLogic, Websphere |

**Education Details: MS in Electronics and computer science, Gannon University, PA**

Licenses & certifications

Professional Cloud DevOps Engineer - Credential ID [73662970](https://google.accredible.com/12c692b5-1126-44ad-9a84-a39b88d1ded1)

Issued May 2023 · Expires May 2025

PROFESSIONAL EXPERIENCE:

Client: Express INC, Columbus OH Jan’23-Present

**Sr. Devops Engineer**

**Responsibilities:**

* Responsible for Setup and build AWS infrastructure using **resources VPC, EC2, S3, RDS, Dynamo DB, IAM, EBS, Route53, SNS, SES, SQS**, CloudWatch, CloudTrail, Security Group, Autoscaling and RDS using CloudFormation templates.
* Developed automation scripts in YAML using Ansible to deploy and manage Java applications across Linux servers.
* Worked on creating the docker containers and docker consoles for managing the application life cycle and also wrote Python to view and connect the Apache Spark instance.
* Responsible for Deploying Artifacts in GCP platform by using Packer.
* Worked on google cloud platform (GCP) services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager.
* Worked on setting up the infrastructure on GCP involving Compute Engine, Cloud Storage, IAM, Cloud Run, PubSub, FireStore
* Worked on Jenkins file with multiple stages like checkout a branch, building the application, testing, pushing the image into GCR, deploying to QA, Acceptance testing and finally Deploying to Prod.
* Hands of experience in GCP, Big Query, GCS bucket, gcloud function, cloud dataflow, Pub/Sub cloud shell, GSUTIL, BQ command line utilities, Data Proc, Stack driver
* Used Chef for configuration management of hosted Instances within GCP. Configuring and Networking of Virtual Private Cloud (VPC).
* Responsible for managing the Docker orchestration for transferring the data from store database to REDIS cache server.
* Utilized Argo CD for post-sync and implemented GitOps practices leveraging ArgoCD, GitHub actions, and Kubernetes
* Configured Argo CD settings, such as adding new applications, creating projects, and integrating with other DevOps tools
* Experienced in creating projects in Argo CD and deploying Argo CD in to Kubernetes cluster from the scratch.
* Deployment in to Kubernetes cluster directly from GitHub using Argo CD tool
* Worked on TERRAFORM for provisioning of Environments in GCP platform.
* Set-up databases in GCP using RDS, storage using S3 bucket and configuring instance backups to S3 bucket. 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.
* Managed Docker orchestration and Docker containerization using Kubernetes. Used Kubernetes to orchestrate the deployment, scaling, and management of Docker Containers
* Created and deployed Kubernetes pod definitions, tags, labels, multi-pod container replication. Managed multiple Kubernetes pod containers scaling, and auto-scaling.
* Deployed pods using Replication Controllers by interacting with Kubernetes API server defining through declarative YAML files.
* Implementation of new tools such as Kubernetes with Docker to assist with auto-scaling and continuous integration (CI) and upload a Docker image to the registry so the service is deployable through Kubernetes. Use the Kubernetes dashboard to monitor and manage the services.
* Built and maintained ELK stack to centrally collect logs that are used to monitor applications also Installed, monitored and configured Applications in Nginx and Apache Tomcat Server and establish connectivity to databases and troubleshoot issues on the fly.
* Worked with Security teams to integrate complete AWS access and IAM roles and permissions with Okta.
* Managed secrets with GCP’s KMS.
* Managing the Infrastructure on Google cloud Platform using Various GCP services.
* Configuring and deploying instances on GCP environments and Data centers , also familiar with Compute , Kubernetes Engine , Stack driver Monitoring, Elastic Search and managing security groups on both.
* Maintained the user accounts ( IAM ), Cloud SQL , Cloud DNS , VPC , RDB , Cloud Datastore Cloud Bigtable, SQS and Cloud Pub/Sub services in Google cloud platform .
* Used GCP App Engine for deploying and scaling web applications and services developed with Java .
* Leveraged GCP cloud services such as Compute, auto-scaling and VPC to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts.
* Build and configure a virtual data center in the Google cloud platform to support Enterprise Data Warehouse hosting including Virtual Private Cloud (VPC) , Public and Private Subnets, Security Groups, Route Tables, Google Cloud Load Balancing.
* Implemented a Continuous Delivery pipeline with Docker , Jenkins , GitHub and GCP whenever a new GitHub branch gets started, Jenkins , our Continuous Integration server, automatically attempts to build a new Docker container .
* Created Pre-commit hooks in Perl/shell/bash for authentication with JIRA-Pattern Id while committing codes in SVN, limiting file size code and file type and restricting development team to check-in while code commit
* Deployed and configured JIRA, both hosted and local instances for issue tracking, workflow collaboration, and tool-chain automation.
* Developed a Shell script for real-time monitoring and reporting of status of the application servers JVMs and server machines on the internal network using BASH shell on RHEL.
* Involved in Troubleshooting of all aspects of the Unix/Centos/RedHat/Linux Operating environments and coordinated with all the teams before and after the production deployments for the smooth Production releases.
* Configured commercial SSL certificates for high availability architecture applications Servers such as Web Spheres, WebLogic, Tomcat using NGINX and Apache web servers to terminate SSL endpoint

**Environment**: BitBucket, GIT, Maven, Jenkins, Docker, Kubernetes, AWS, Google cloud, Artifactory, SonarQube, Terraform, ARGO CD, Jenkins CI/CD, Nagios, Jira, SHELL, Python, VPC, Autoscaling, Apache, JBoss, Nginx, Tomcat, GIT, Docker, Kubernetes, GCP, Blue/green deployment.

Client: Humana, Louisville KY Nov’20-Jan’23

**Sr. AWS Cloud / Devops Engineer**

**Responsibilities:**

* Responsible for Setup and build AWS infrastructure using resources VPC, EC2, S3, RDS, Dynamo DB, IAM, EBS, Route53, SNS, SES, SQS, CloudWatch, CloudTrail, Security Group, Autoscaling and RDS using CloudFormation templates.
* Deploy and monitor scalable infrastructure on Amazon web services (AWS) and configuration management instances and Managed servers on the Amazon Web Services (AWS) platform using Chef configuration management tools and Created instances in AWS as well as migrated data to AWS from data Center.
* Involved in design and deployment of a multitude of Cloud services on AWS stack such as EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM, while focusing on high-availability, fault tolerance, and auto-scaling in AWS CloudFormation
* Developed strategy for cloud migration and implementation of best practices using AWS services like database migration service, AWS server migration service from On-Premises to cloud.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS CloudWatch / Splunk and assigned AWS elastic IP addresses to work around host or availability zone failures by quickly re-mapping the address to another running instance
* Provisioned the highly available EC2 Instances using Terraform and cloud formation and wrote new python scripts to support new functionality in Terraform.
* Worked in cloud formation to automate AWS environment creation along with the ability to deploy AWS using bill scripts (Boto3 and AWS CLI) and automate solutions using python and shell scripting
* Managed AWS infrastructure as code (IaaS) using Terraform. Expertise in writing new python scripts in order to support new functionality in Terraform. Provisioned the highly available EC2 Instances using Terraform and cloud formation and Setting up the build and deployment automation for Terraform scripts using Jenkins
* Designed AWS Cloud Formation templates to create custom sized VPC, to set up IAM policies for users, subnets, NAT to ensure successful deployment of Web applications, database templates and Security groups
* Managed Docker orchestration and Docker containerization using Kubernetes. Used Kubernetes to orchestrate the deployment, scaling, and management of Docker Containers
* Created and deployed Kubernetes pod definitions, tags, labels, multi-pod container replication. Managed multiple Kubernetes pod containers scaling, and auto-scaling.
* Deployed pods using Replication Controllers by interacting with Kubernetes API server defining through declarative YAML files.
* Worked on google cloud platform (GCP) services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager.
* Setup GCP Firewall rules to allow or deny traffic to and from the VM's instances based on specified configuration and used GCP cloud CDN (content delivery network) to deliver content from GCP cache locations drastically improving user experience and latency.
* Worked on GKE Topology Diagram including masters, slave, RBAC, helm, kubectl, ingress controllers GKE Diagram including masters, slave, RBAC, helm, kubectl, ingress controllers
* Created projects, VPC's, Subnetwork's, GKE Clusters for environments QA3, QA9 and prod using Terraform Created projects, VPC's, Subnetwork's, GKE Clusters for environments.
* Worked on Jenkins file with multiple stages like checkout a branch, building the application, testing, pushing the image into GCR, Deploying to QA3, Deploying to QA9, Acceptance testing and finally Deploying to Prod
* Implementation of new tools such as Kubernetes with Docker to assist with auto-scaling and continuous integration (CI) and Upload a Docker image to the registry so the service is deployable through Kubernetes. Use the Kubernetes dashboard to monitor and manage the services.
* Worked on installing, configuring and managing Docker Containers, Docker Images for Web Servers and Applications and Implemented Docker -maven-plugin in and maven pom to build Docker images for all microservices and later used Docker file to build the Docker images from the java jar files
* Created Docker images using a docker file, worked on Docker container snapshots, removing images and managing Docker volumes and also virtualized servers in Docker as per QA and Dev-environment requirements and configured automation using Docker containers
* Configuring with different artifacts to make an image and deploy Docker image to install the application on an instance, maintain and troubleshoot for any user issues or network problems
* Worked on Docker-Compose, Docker-Machine to create Docker containers for testing applications in the QA environment and automated the deployments, scaling and management of containerized applications
* Installed and Implemented Ansible configuration management system. Used Ansible to manage Web applications, Environments configuration Files, Users, Mount points, and Packages also Worked with automation/configuration management using Ansible and created playbooks in YAML to automate the development processes.
* Implemented Infrastructure automation through Ansible for auto-provisioning, code deployments, software installation and configuration updates.
* Add required images to Vagrant and create servers out of Images for testing and Automated infrastructure build-out and systems provisioning using Ansible and Ansible Tower
* Designed fully automated server build management, monitoring, and deployment by using Ansible playbooks using Ansible role created an ELK cluster for non-log purposes to search and analytics of product and pricing data
* Developed build and deployment scripts using MAVEN as build tools in Jenkins to move from one environment to other environments and Supporting Maven multi-module builds and store artifacts in a remote repository in artifacts
* Worked with the development team to generate deployment profiles (jar, war, rar) using ANT Scripts and Jenkins
* Worked on writing Jenkins build a pipeline with Gradle script and Groovy DSL (Domain Specific Language) and integrating ANT/MAVEN build scripts with Gradle for the sole purpose of continuous build.
* Built and maintained ELK stack to centrally collect logs that are used to monitor applications also Installed, monitored and configured Applications in Nginx and Apache Tomcat Server and establish connectivity to databases and troubleshoot issues on the fly.
* Created Pre-commit hooks in Perl/shell/bash for authentication with JIRA-Pattern Id while committing codes in SVN, limiting file size code and file type and restricting development team to check-in while code commit
* Deployed and configured JIRA, both hosted and local instances for issue tracking, workflow collaboration, and tool-chain automation
* Used monitoring tools like Nagios and Splunk to improve application performance, helps to get the visibility & business context to meet business demands and implemented SPARK communication tool chat BOT for triggering alerts.
* Working Knowledge of databases like MySQL, RDS, DynamoDB, and MongoDB
* Good understanding of the principles and best practices of software configuration management (SCM) in agile, scrum and waterfall methodologies.
* Worked on writing multiple Python, Ruby, and Shell scripts for various companywide tasks
* Well versed with Software development (SDLC), Test life cycle (STLC), and Bug life cycle and worked with testing methodologies like a waterfall and the agile methodology (SCRUM) with an in-depth understanding of the principles and best practices of Software Configuration Management (SCM).

**Environment**: **AWS (EC2, S3, VPC, ELB, RDS, EBS, Cloud Formation, Splunk 6, Cloud watch, Cloud trail, Route 53, AMI, SQS, SNS, CLI, CDN), GCP, Docker, AppDynamics, Jenkins, Mongo DB, Selenium, Maven, Git, Jira, Bash, Shell, Perl, Python, Tomcat, Autoscaling, Route53, RHEL 6.8/7. X.**

Client: Mastercard, O'Fallon MO Jan’18-Oct’20

**Sr. Azure Cloud DevOps Engineer**

**Responsibilities:**

* Responsible for implementing containerized based applications on Azure Kubernetes by using Azure Kubernetes service (AKS), Kubernetes Cluster, which are responsible for cluster management, Virtual Network to deploy agent nodes, **Ingress API Gateway, MySQL Databases and Cosmo DB** for stateless storage of external data, and setup reverse proxy Nginx in the cluster.
* Deployed and optimized two tier Java, Python web applications to **Azure DevOps CI/CD** to focus on development by using services such as Repos to commit codes, Test Plans to unit test, deploy App Service, Azure Application Insight collects health performance and usage data of the process, stored artifacts in blob storages.
* Managed Azure Infrastructure **Azure Web Roles, Worker Roles, SQL Azure, Azure Storage, Azure AD Licenses**. Virtual Machine Backup and Recover from a Recovery Services Vault using Azure PowerShell and Portal.
* Serverless framework for deploying Multiple Lambda Functions, IAM Roles API Gateway and containerizing those Functions in such a way that So that can be Platform Independent.
* Architect & implement medium to large scale BI solutions on Azure using Azure Data Platform **services (Azure Data Lake, Data Factory, Data Lake Analytics, Stream Analytics, Azure SQL DW, HDInsight/Data bricks, NoSQL DB)**
* Moved services from on premises to **Azure Cloud Environments**. Using **Azure Portal and PowerShell scripts, Azure Security groups** were managed and linked to VMs and subnets.
* Worked on deployment of the initial Azure components like **Azure Virtual Networks, Azure Application Gateway, Azure Storage and Affinity groups.**
* Develop **PowerShell scripts, Azure CLI, and Terraform scripts** to automate the provisioning and deployment process.
* Worked on Splunk, AppDynamics, JIRA and BMC Remedy for monitoring and troubleshooting to create an Incident/Problem ticket for Root cause analysis.
* Deployed Kubernetes container application using **Azure Kubernetes Service (AKS ), ACS, Azure CLI, Azure Active Directory, Azure Virtual Network, Azure Storage, and Azure Database for MySQL**.
* Developed Terraform templates to build, change and version **Infrastructure as Code (IaC**) using Azure as provider and launch multi-layered resource groups to be provisioned and configured with Terraform template.
* Generated Infrastructure as Code (IaC) using Azure Tools such as Bicep, Power Shell, ARM Templates, Terraform, Azure VSTS and open-source tools such as GitHub, Jenkins, Ansible and created Runbooks for Push Notification Model
* Contributed to the development of **Pyspark** Data Frames in Azure Data bricks to read data from **Data Lake or Blob** storage and utilize Spark Sql context for transformation.
* Created **CI/CD Pipelines** in **Azure DevOps** environments by providing their dependencies and tasks.
* Created azure **key-vault** to store all the credentials for **SQL databases** and for **API keys**.
* Used **Ansible** to provision **Azure services** and **managed those nodes**.
* Managed Azure instances with Realize Operations Manager by building customized dashboards which give frequent updates on **enterprise-grade metrics** and intelligent alerts.
* Worked with automation tools which are pre-installed in azure DevOps portal to build the packages. The automation tools like **ANT and MAVEN** with **build.xml** and **pom.xml** scripting languages depending on the packages like **java, python, or .NET**.
* Designed, planned and implemented for existing **On-Perm applications to Azure Cloud,** Configured and deployed Azure Automation Scripts utilizing Azure stack (**Compute, Web and Mobile, Blobs, ADF, Resource Groups, Azure** **Data Lake, HDInsight Clusters, Azure Data Factory, Azure SQL, Cloud Services and ARM),** Services and Utilities focusing on Automation.
* Moved database from on-premises and Azure cloud to a centralized data store in the cloud and monitored Copy Data activity in an Azure data pipeline.

Environment: Microsoft Windows AZURE, Bicep, Azure AD, Azure SQL, Azure Network, Web Applications, Kubernetes, Virtual Machines, Ansible, Jenkins, Docker, Python, Power shell, Microsoft Azure Storage, SonarQube, Groovy, Maven, Git, Gitlab, ELK, CI/CD, Splunk, Jira, Nexus, Tomcat, GitHub, Linux

Client: Sodexo, Buffalo NY Mar ’16 – Dec’17

**Sr. DevOps & Cloud Engineer**

**Responsibilities:**

* Migrating the existing project to Microsoft Azure with Azure services.
* Upgrading the servers like Tomcat from 8.5 to Tomcat 9 in the project before migration.
* Setup the required setup in the Local, Dev, Test and Prod environments.
* Upgrading JSF 2.0 to 2.2 as per the configuration of JBoss.
* Using Perforce to check out and check in the code and Bamboo for continues Integration.
* Provided PowerShell script to automate Virtual machine server build including joining Active Directory domain and install Software.
* Azure Resource Manager (ARM) provides security, auditing, and tagging features to help you manage your resources after deployment.
* Used Azure Resource Manager (ARM) to deploy, update, or delete all the resources for your solution in a single, coordinated operation.
* Creating Jason deployment templates for provisioning virtual networks, subnets, VM Scale Sets, Load balancers and NAT rules. Define set of resources and specifying deployment parameters to Azure Resource Manager (ARM) templates to creating resource group of virtual machines
* Using Azure Functions to integrate applications and run backend processes according to schedules without provisioning/managing servers.
* Configured plugins for the integration tools to the version control tools.
* Jenkins administration to user access credentials, deployment email notification, configuration for new users and using matrix plug-ins to manage Jenkins.
* Creating and building Jenkins Pipelines for CI/CD Process.
* Manage source code, software builds, software versioning, & defect tracking on software maintenance tasks/projects.
* Used Ruby for chef Scripting.
* Delivered specific versions of various components of an application into target environments.
* Used Test driven deployment (TDD) with agile.
* Administered and Engineered Jenkins for managing weekly Build, Test and Deploy chain GIT with Dev/Test/Prod Branching Model for weekly releases.
* Troubleshoot the automation of Installing and configuring applications in the test environments.
* Responsible to maintain Maven Build Scripts and tweak if changes in the requirements.
* Worked on NAGIOS script and JBOSS Drools, Python, Birt, CSS2 and 3, HTML5, Udeploy.
* Perform configuration, testing, and change control documentation for the cloud stack environment.
* Installation and development of workflows for integration and automation in the cloud-based solutions.
* Branching, Tagging, Release Activities on Version Control Tools like GIT
* Configuring, setting up of Tomcat, Apache, Apache Kafka, Apache Cassandra, HA proxy, gradis, Memcached, etc.

**Environment: Azure Active Directory, CI/CD, Application Insights, Azure Active Directory, Power BI, Azure Functions, Azure Data factory, Azure SQL, Azure Storage accounts.**

Client: Zurich Insurance Company Ltd -Schaumburg , IL Nov’14– Jan’16

**Sr. DevOps & AWS Engineer**

**Responsibilities:**

* Migrated the current Linux SUSE environment to **AWS**, used auto scaling feature. Worked extensively on **AWS Cloud platform**& its features which includes **EC2, VPC, EBS, AMI, SNS, RDS, Cloud Watch, Cloud Formation, AWS Config, Auto scaling, Cloud Front, Lambda, ELB, Elastic Beanstalk, IAM, S3.**
* Developed a migration approach to move workloads from On-Premises to Windows **Azure** for **Windows** machines &**AWS** for **Linux Solaris** machines. Administered RHEL, **Centos, Ubuntu, UNIX** & **Windows** servers.
* Created **AWS cloud formation** templates for the migration of applications from on-premises to AWS and to create custom-sized **VPC**, subnets, **EC2** instances, **ELB**, security groups.
* Creating EC2 instances in secured private subnet and deploying them in load balancing, assigning Elastic IP Addresses for **EC2 instances** for QA & UAT environments and GIT servers
* Worked on the installation of **Docker** using toolbox & creation of custom **Docker** container images, tagging and pushing the images and worked on several **Docker** components like **Docker** Engine, Hub, Machine, Compose and **Docker** Registry.
* Created modules & manifests in **Puppet** using **Ruby**, modified **Puppet forge** per requirement**,** used **Puppet** to install & manage **Nginx** packages.
* Integrated **Puppet** with **Apache** in the **Linux AWS** Cloud environment using **Puppet** automation, developed load tests, monitored suites in **Python**, and integrated **puppet** modules into **Jenkins** jobs for CI/CD framework.
* Used **Chef** to automate the infrastructure by creating **Chef Cookbooks**, tested those **Cookbooks** using **Food critic**&**NG.**
* Deployed and configured **Chef**and **Chef Solo** including bootstrapping of **Chef**Client nodes for provisioning, creating roles, cookbooks, recipes, and data bags for server configurations, deployments.
* Used **Chef Cookbooks** to setup **Continuous Delivery** pipeline with **Jenkins**&**Sonar** server to run packages, supported software components like **Maven**.
* Developed and Automated server work tasks, automated changed management process including server decommissioning process.
* Installed **Jenkins** on a Linux Server, created master & slave configuration and drove all microservices builds out to the **Docker** registry. Build scripts using **MAVEN** in **Jenkins** to move from one environment to other.
* Coordinate/assist developers with establishing & applying branching, labelling conventions using **Git** source control, resolved conflicts related to merging of source code.
* Responsible for creating complex **JIRA** workflows, conditions and setting up and maintaining JIRA, using Advanced scripts (Groovy) to extend workflow capabilities both front-end and back-end, for large enterprise **JIRA** environment.

**Environments: AWS, EC2, EBS, ELB, AMI, Splunk, auto scaling, VMware, S3, Route53, SNS, Ubuntu, RHEL, Windows, GIT, Docker, Terraform, Ansible, Kubernetes, python, Splunk, Jira, GIT hub, Jenkins, JAVA/J2EE applications.**