**Name: Rakesh Raj**

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**Number: 726-666-1699**

**Sr. Cloud Devops Engineer**

**WORK EXPERIENCE:**

* Around **8 years** of IT experience with strong knowledge in building, automating, and deploying instances in cloud and infrastructure environments on **Microsoft Azure, Google Cloud Platform (GCP)** and **Amazon web Services (AWS)** using various automation techniques
* Utilized **Terraform** to create and develop infrastructure in **production, disaster recovery, and testing environments**, ensuring consistency and reproducibility.
* Implemented fully automated **Continuous Integration and Continuous Delivery (CI/CD) pipelines,** enabling efficient and reliable software delivery.
* Worked on **DevOps** essential tools like **Terraform, Docker, Kubernetes, Vagrant, Git, GitHub,SVN, Ant, Maven, Jenkins, Junit, Selenium, Bamboo, Hudson, Chef, Ansible,Puppet.**
* Expertise **in Microsoft Azure Cloud Services** (**PaaS &amp; IaaS**), Application Insights, Document**DB, Azure Monitoring, Key Vault, Visual Studio Online (VSO)** and **SQL Azure.**
* Proficient in using **AWS** services such as **EC2, VPC, CloudWatch, CloudFront, CloudFormation, IAM, S3, Amazon RDS, Elastic Cache, SNS, SQS, Amazon Glacier Route53**, **S3**, **RDS**, **DynamoDB** ensuring **high availability, fault tolerance, and auto-scaling**.
* Deployed and configured **Elastic Search, Log stash** and **Kibana (ELK)** for **log analytics.** Created and managed clusters in **Google Cloud using Kubernetes (k8s).**
* Utilized **Jenkins**to deploy code to **Google Cloud**, create new namespaces, creating docker images and push them to container registry of **Google Cloud.**
* Leveraged **Google Cloud Platform (GCP)**services like **Compute Engine, Cloud Functions, Cloud**

**Storage**applying concepts of **SaaS, PaaS, IaaS** in Cloud computing architecture.

* Automated infrastructure using **Terraform** in the **AWS** console, designing and distributing data across nodes in an **AWS Redshift cluster.**
* Implemented **pivotal cloud foundry (PCF)** configuration setup for microservices and maintained **PCF microservices** routing mechanism. Configured new services to ensure security and scalability.
* Worked on **Microsoft Azure cloud** to create virtual machines through **Power Shell Script** and**Azure Portal.** Created and managed Storage and log analytics workspace in **Azure Portal.**
* Employed **Bash** and **Python** including **Boto3** to supplement automation provided by **Ansible** and **Terraform.** Performed tasks such as encrypting **EBS** volumes, backing **AMIs** and scheduling **Lambda functions** for routine **AWS** tasks.
* Worked on installation and configuration **of Docker environment** (v1.5.0) including **Dockerregistry hub** for managing different Docker images and deployment of applications inside the
* Utilized **Chef cookbooks**, wrapper scripts and recipes in Ruby to provision pre-production environments consisting of **Cassandra DB** installations, **WebLogic domains.**
* Configured and maintained web servers like **Apache, Tomcat, Nginx, IIS**, and application servers like **WebLogic, WebSphere, and JBoss** in **production, development, and test environments.**
* Administered various operating systems, including **Windows, Ubuntu, Red Hat Linux, CentOS, and SUSE Linux,** ensuring system stability and performance.
* Utilized **source code** and **version control** management tools like **Git, Bitbucket, Git Bash, GitHub Desktop, GitLab, and Git GUI** to manage source code and collaborate with development teams.
* Experienced in installing and configuring **Docker environments**, including **Docker registry hub**, for managing different **Docker images** and **deploying applications**.
* Managed **Kubernetes clusters** and local deployments, ensuring efficient **container orchestration** and management.
* Integrated **Chef cookbooks** into **Jenkins** jobs for continuous delivery (**CD) framework**, leveraging various custom resources, roles, environments, and chef handlers for automating different job requirements.
* Demonstrated Expertise in **Jenkins master/slave administration, access controls, report generation, parameterized** **and triggered build setups** etc.
* Hands on experience in configuring and maintaining the Webservers like **Apache, Tomcat, Nginx,IIS** and **App** servers like **Weblogic, Websphere** and **JBoss.**
* Experience in Administration of Production, Development and Test environment in various operating systems such as **Windows, Ubuntu, Red Hat Linux, CentOS,** and **SUSE Linux.**
* Expertise in source code and version control management tools like **GIT** and used Source code management client tools **like Bitbucket, Git Bash, GitHub Desktop, GitLab**, and **Git GUI.**
* Worked on several Build tools like **Maven** and automation tools like **Jenkins** also involved in **Repository Management** tools like **JFrog artifactory.**
* Configured and installed various operating systems including **Red Hat Linux, CentOS, AIX, Solaris, and Windows servers.**
* Implemented automation techniques using **Puppet, Terraform, Ansible, and Jenkins** to streamline module **deployment, infrastructure provisioning, and application deployments.**
* Collaborated with audit teams to provide file system modifications using **tripwire tool** on various distributions of **UNIX**.
* Implemented local user provisioning instances in **AWS cloud environments,** ensuring efficient resource management and security.
* Utilized **AWS Cloud Formation templates** to create custom-sized **EC2 instances, VPC, subnets, NAT, ELB, and security groups.**
* Monitored **server performance, CPU utilization, and disk usage** using **AWS CloudWatch**, setting up **alarms** and **trigger points** based on predefined thresholds.
* Configured **CloudFront** to deliver content from **AWS edge** locations, optimizing performance and reducing load on **front**-**end servers**.
* Managed **Linux** and **Windows** machines using **OpenStack** and **AWS cloud** services, including launching **instances**, **creating security groups, and automating backups**.
* Developed **Python scripts** to automate **AWS services** such as **EC2, ELB, S3, and database management,** improving operational efficiency and reducing manual effort.
* Leveraged **Jenkins** for **continuous integration**, performing **troubleshooting** during installation and implementing **CI** processes for **Java application** builds.
* Installed and configured **Puppet**, managing **Puppet Master**, **Agent nodes**, and an **admin control workstation**, ensuring smooth **configuration management** across the infrastructure.
* Managed **AWS EC2 instances** using **Auto Scaling, Elastic Load Balancing, and Glacier** for **QA, UAT, GIT/Bitbucket, and Puppet infrastructure servers.**
* Utilized **Kubernetes** for **application deployment** and **orchestration**, ensuring **scalability** and **automation.**
* Automated application and **MySQL** container deployment in **Docker** using **Python** and monitored them using **Nagios.**
* Implemented **continuous integration** workflows around **Jenkins** and **Puppet codebase**, automating the **development, testing, and deployment process**.
* Developed **automation scripts** in **Python** using **Puppet** to deploy and manage **Java applications** across **Linux servers**.
* Standardized **Splunk** forwarder deployment and maintenance across **UNIX** and **Windows** platforms.
* Configured **AWS Code Pipelines** to deploy containers into **ECS FARGATE** and integrated them with **CI/CD pipelines.**

**TECHNICAL SKILLS:**

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| --- | --- |
| **Version Control Tools:** | **Git, Bit Bucket, GitHub** |
| **Build Tools:** | **Maven, Ant, Nexus** |
| **Continuous Integration:** | **Hudson, Jenkins** |
| **Scripting:** | **Ruby, Shell, PowerShell, Bash** |
| **Configuration Management** | **Chef, Ansible, Puppet, Terraform** |
| **Programming Languages** | **Java, Python, .NET, PHP** |
| **Databases** | **MYSQL, SQL Server, Oracle, Mongo DB, DB2** |
| **Application Servers** | **Apache Tomcat, WebSphere, JBoss** |
| **Cloud** | **AWS, GCP, Microsoft Azure** |
| **Ticketing tools** | **Jira, ServiceNow** |
| **Operating systems** | **Windows, Linux/Unix, and Ubuntu** |
| **Containerization Tool** | **Docker, Kubernetes** |
| **Monitoring Tools** | **Nagios, Cloud Watch (AWS)** |

**PROFESSIONAL EXPERIENCE:**

**Client: Charter communication, Saint louis, MO Apr 2021 - Present**

**Role: Sr Devops Aws Engineer**

**Responsibilities**

* Installation, configuration and upgrade of red hat **Linux, Cent OS** operating systems. Involved in creating Jenkins pipeline jobs for Puppet release process for module deployment using

**Kanban AGILE methodology** for puppet development.

* Configured and Installed **AIX**, Solaris and Red hat **Linux** servers using **NIM**, Jumpstart, and Kickstart.
* Worked in audit teams, provided them with the File system modifications using tripwire tool on various distributions of **UNIX**. Implemented automated local user provisioning instances in AWS cloud
* Responsible for testing application and fixing bugs in **Linux VMware**, including setting up/installing the backend Debian and **SUSE Linux** servers and performing the configuration.
* Implemented automated local user provisioning instances created in **AWS** cloud
* Used **AWS** Cloud Formation templates to create custom sized **EC2** instances, **VPC**, subnets, **NAT, ELB** and Security Groups. Experience in using **AWS** cloud services such as **EC2, S3, RDS, ELB, EBS, VPC, Route53**, Autoscaling groups, **CloudWatch**, **Cloud Front**, **IAM** for installation and configuration and troubleshooting of various Amazon Images.
* Created alarms and trigger points in **CloudWatch** based on thresholds and monitored the server performance, **CPU** Utilization, disk usage and Utilized **AWS CloudWatch** services to monitor environment for operational &amp, performance metrics during load testing.
* Worked on **CloudFront** to deliver content from **AWS** edge locations to users, allowing for further reduction of load on front-end servers.
* Ongoing proactive database-level performance tuning, with a good working knowledge of Oracle internals.Used **OpenStack** and **AWS** cloud services to launch **Linux** and windows machines, createdsecurity groups and written basic **PowerShell** scripts to take backups and mount network drives.
* Created **Python Scripts** to automate **AWS** services such as **Web Services, ELB**, **Cloud Front**Distribution**, EC2**, Database, Security groups, **S3** bucket. These scripts create stacks, single servers, or join web services to stacks. Provisioned highly available **EC2** Instances using **Terraform** and cloud formation and wrote new Plugins to support new functionality in **Terraform**.
* Utilize **AWS CLI** to automate backups of ephemeral data-stores to **S3 buckets, EBS** and create nightly **AMIs** for mission critical production servers as backups.
* Used **Java** and **Python** to supplement automation provided by **Ansible** and **Terraform** for tasksets encrypting **EBS** volumes and scheduling **Lambda** functions for routine **AWS** tasks.
* Installed **Jenkins** and perform troubleshooting during installation to implement the **CI** process for the **Java** application builds. Installing and configuration of an automated tool Puppet that included installation and configuration of Puppet Master, Agent nodes and an admin control workstation.
* Manage **AWS EC2** instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our **QA** and **UAT** environments as well as infrastructure servers for **GIT/Bitbucket** and **Puppet.**
* Using **Kubernetes**, I have controlled and automated application deployments updates and or chestrated deployment also Worked on configuring the **Apache** Tomcat
* Automated applications and **MySQL** container deployment in **Docker** using **Python** and monitor them using Nagios. Integrated Selenium automation regression test suite in **Jenkins** build pipeline.
* Implemented continuous integration web hooks and workflows around **Jenkins** to automate the dev, test deploy workflow around Puppet codebase.
* Developed automation scripting in **Python** (core) using Puppet to deploy and manage Java applications across **Linux** servers. Automated Nagios alerts and email notifications using python scriptsand executed them using Chef. Involved in standardizing Splunk forwarder deployment, configuration and maintenance across **UNIX** and Windows platforms.
* Involved in designing and deploying multitude applications utilizing almost all
* of 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. Assign Roles, manage Users and groups and assign policies using **AWS** Identity and Access Management **IAM/COGNITO Security**
* Worked on **AWS Code Pipelines** to Deploy Containers into **ECS FARGATE and integrated with CI/CD pipeline.** Worked on **Autoscaling policies ( both step and target tracking )** to scale the **containers** incase of increase in the load on the **containers** for high availability
* Configuring various jobs in **Jenkins** and **Hudson** for the deployment of **java** based applications and running test suites. Deployed **java** applications to application servers in **agile** continuous integration environment and also automated the deployment process.
* Worked on configuring the **Apache** Tomcat for **Java** applications deployment.

**Environment**: **Linux (RHEL x/7), Puppet, Terraform, Ansible, Jenkins, Chef, Docker,**

**Kubernetes, Nagios, WebLogic, WebSphere, Apache web servers, Splunk, Tomcat servers, MySQL,Shell Scripting, Python, Git/Bitbucket,java.**

**Client: CVS, Phoenix, AZ Aug 2019- Mar 2021**

**Role: Sr. DevOps Engineer**

**Responsibilities:**

* Worked on implementing backup methodologies by Power Shell Scripts for Azure Services like **Azure SQL Database**, **Key Vault, Storage blobs, App Services** etc.
* Designed **Azure Resource Manager (ARM)** templates and extensive experience in designing custom build steps using **PowerShell.** Moderate and contribute to the support forums (specific to **Azure Networking, Azure Virtual Machines, Azure Active Directory, Azure Storage**) for Microsoft Developers Network. Installing Plugins in **Jenkins** as per project requirements.
* Installation, configuration and upgrade of **Red hat Linux, Cent OS**, Solaris operating systems.
* Migrated the existing tool &Request for Response&, with enhanced features for Business Analysts and Product team Billing reports from ASP.Net 1.1 to ASP.Net MVC 4.0
* Effectively communicated the differences between **Azure** and on-site technologies and thebenefits of each type of deployment. Designing and implementation Cloud Orchestration Solutionfor **Google Compute Engine, Microsoft Azure.** Involved in **CI/CD** process using **GIT, Nexus, Jenkins, built** and Created Docker image and usethe docker image to deploy in clusters.
* Deployed **Azure IaaS virtual machines (VMs)** and **Cloud services (PaaS role instances)** intosecure VNets and subnets. Maintained high degree of competency across the Microsoft Application Platform focusing on**.NET Framework,WCF, Windows Azure**, and **SQL Azure.**
* Implementation of Office 365 and Azure active directory, **Azure Role-based Access Control(RBAC)** for single sign on, authentication and Authorization.
* Deployed **.NET** applications to application servers in an Agile continuous integration, environment and automated the whole process. Implemented continuous integration using**Udeploy**.Designed and implemented the **Java** and **Open-source** stack with the following tools **Maven**,**Docker**, and **Jenkins.**
* Worked with **Terraform** Templates to automate the **Azure IAAS** virtual machines usingTerraform modules, deployed virtual machine scale sets in production, DRenvironment.
* Knowledge of cryptography concepts, **PKI, SSL, Host Security Modules (HSM), Smart cards,Symmetric, Asymmetric (Public/Private-PKI)**
* Written **Lambda** scripts in **python** to check for events like failures and scheduling ( for dev environment) the **Aws Kubernetes Service**
* worked in many technical roles both in **Linux and Windows** environment for **build/Release automation** process in Web &**cloud/server** Environment using **Java/J2EE/.NET** Technologies, **Azure, AWS & open source** technologies.
* Expertise in writing **Bash Scripts**, **Pearl Scripts** (**hash and arrays), Python programing** for deployment of **Javaapplications** on **bare servers** or **Middleware** tools.
* 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 **AppService**, **Azure Application Insight** collects health performance and usage data of the process, storedartifacts in blob storages.
* Worked on creating **Build** scripts to build and deploy **Java**/**J2EE**, **Oracle ADF** and **Oracle SOA** based enterprise applications to WebLogic Application Servers.
* Worked with the development team to generate deployment profiles (jar, war, ear) of Java based applications using custom **Build** Scripts.
* Created UCM Projects, Development, Integration views for Development&Integration streams.Involved in editing the existing BUILD/MAVEN files in of errors or changes in the project
* Implemented **PowerShell** scripts that automated creation of contacts from Active Directoryusers and updating of address books -increasing productivity and efficiency.
* Created/configured many jobs in **Jenkins** to help **CI/CD** pipelines using many plugins like**DS plugin**, parameterized Trigger plugin, pipeline view plugin, Extended email plugin
* Worked on setting up the **Jenkins Pipelines**, Jobs, and administration of entire **Jenkins** infrastructure for release automation of 30+ **Java** based applications.
* Used **CHEF** for application automatic deployment and provisioning to different environments.Used GIT for repository integration to Anthill Pro for code.
* Developed Ruby and Shell Scripts for automation of the build and process, developed customScripts to monitor repositories, Server storage.
* Experienced in **Oracle PL/SQL** programming including development and tuning of packages,stored procedures, functions, and **Unix/Linux** Shell scripting
* Installing, configuring, and administrating Jenkins continuous integration tool on LinuxMachines along with adding/updating plugins such as **SVN, GIT, MAVEN, ANT, PUPPET.**

**Environment: Azure, .NET, SVN, Maven, Shell/Perl,SQL, Open Stack, PowerShell, Cassandra,Kubernetes, TFS, SCM, GIT Jenkins, JIRA, Tomcat, Terraform, Control-M, Puppet, Puppet DB, Oracle,Unix/Linux Shell Scripting, Bamboo, Chef, Ruby,java.**

**Client: Principal Financial Group, Des Moines, IA Sep 2017- Jul 2019**

**Role: Sr. Devops Engineer**

**Responsibilities:**

* Launching Amazon **EC2** cloud instances using Amazon instances **(Linux/Ubuntu)** andconfiguring launched instances with respect to specific applications.
* Designed roles and groups using **AWS** identity and **access management** (IAM), and managednetwork using Security Groups, Network Access Control Lists with services provided by **IAM.**
* Used **AWS** Beanstalk for deploying and scaling web applications and services developed with

**Java, PHP, Node.js, Python, Ruby,** and **Docker** on familiar servers such as **Apache**, and **IIS.**

* 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 Production.

* Migrated the production infrastructure into **an Amazon Web Services (AWS)VPC** utilizing **AWS**CloudFormation, **EC2, S3, Chef/OpsWorks, CloudWatch, CloudTrail, EBS, Route 53**
* Created **S3** buckets and managed policies and utilized for **S3** buckets. Utilized **S3** bucket andAmazon Glacier for storage and backup on **AWS**
* Designed Puppet architecture for Windows agents. Scripted and configured Puppet manifestsfor different scenarios based on node filters
* Used Ansible and **Terraform** to automate the Cassandra tasks such as new installationsconfigurations and basic Server Level Checks.Created automation and deployment templates for relational and NoSQL databases including**MySQL, and MongoDB** in **AWS**
* Installed and configured an automated tool Puppet that included the installation andconfiguration of the Puppet master, agent nodes and an admin control workstation.
* Written **Cloud Formation Templates (CFT)** in **JSON** and **YAML** format to build the **AWS** serviceswith the paradigm of Infrastructure as a Code **(IAC).**
* Configured Continuous Integration by setting up Build and test automation (ATDD) Jobs inJenkins by pointing to Orchestration and UI layer Repositories in **GitHub/Subversion.**
* Implemented several Tomcat Instances by using the Docker engine for running severalContainerized App Servers.Implemented a Continuous Delivery pipeline with **Docker, Jenkins, GitHub**, and **AWS AMI’s,**whenever a new GitHub branch gets started in Jenkins our Continuous Integration serverautomatically attempts to build a new Docker container from it.
* Created/configured many jobs in Jenkins to help **CI/CD** pipelines using many plugins like**DSLplugin**, parameterized Trigger plugin, pipeline view plugin, Extended email plugin
* Build scripts using Ant and Maven build tools in **Jenkins** and **Sonar**to move from oneenvironment to other environments.Knowledge in configuring **DNS, DHCP, NFS, SAMBA, FTP, Remote Access Protocol, securitymanagement** and Security troubleshooting skills.
* Implemented **docker-maven-plugin** in Maven pom to build Docker images for all **microservices**and later used Docker files to build the Docker images from the Java jar files.
* Worked on **MongoDB** database design and indexing techniques. Good knowledgeon **MongoDB**
* Deployed Arti facts to Web Sphere application servers.
* Build **Linux** server using kick start and supported RHEL server's installations.

**Environment: AWS (EC2, S3, RDS, EBS, and Elastic Load Balancer, Auto scaling groups and optimizedvolumes, EC2 instances), Jenkins, Docker, Docker containers, Git, Kubernetes, Ansible, YAMLscripting, Tomcat, Ruby Scripts, Python Scripts, MongoDB, Chef, Maven, Puppet, Tomcat, Apache, Ant, Java, Sonar Cube.**

**Client: Fidelity Investments, NC Nov 2015-Aug 2017**

**Role: Sr. Devops Engineer**

**Responsibilities:**

* Created the automated build and deployment process for application, re-engineering setup for
* better user experience, leading up to building a continuous integration system for all ourproducts.Worked on Managing the Private Cloud Environment using **Chef.**
* Implemented rapid-provisioning and life-cycle management for **Ubuntu Linux** using **Amazon EC2**,Chef, and custom **Ruby/Bash** scripts.
* Developed automation framework for Application Deployments to the cloud environments
* Managed and optimize the Continuous Delivery tools like **Jenkins.**Install, Configure, Administer **Hudson/Jenkins** Continuous Integration Tool
* Developed and implemented Software Release Management strategies for various applicationsaccording to the agile process.Developed build and deployment scripts using **MAVEN** as build tools in Jenkins to movefrom one environment to other environments.
* Implemented **AWS** solutions using **E2C, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups,**Optimized volumes and **EC2** instances.
* Branching, Tagging, Release Activities on Version Control Tools: **SVN, GIT**.
* Developed **Perl** and **shell** scripts for automation of the build and release process.
* Member of the Technical Design team, Build and Release Module for Development of newproducts.Automated the cloud deployments using chef, **python (boto &amp; fabric)** and **AWS** Cloud Formation. Develop Custom Scripts to monitor repositories, Server storage.
* Templates.Performed and deployed Builds for various Environments like **QA**, Integration, **UAT** and Productions environments.Automated deployment of builds to different environments using **Jenkins**.
* Involved in all projects that move to production and work closely with the Data Center,Development, Quality Assurance and Management teams to ensure cross communication andconfirmed approval of all production changes.Developed Agile processes using **Groovy, JUnit** to use continuous integration
* Built and Deployed **Java/J2EE** to a web application server in an Agile continuous integrationenvironment and also automated the whole process.Created and maintained the **Shell/Perl** deployment scripts for **TC Server/Tomcat** web applicationservers.
* Worked on administering the **METACASE** client-server architecture domain specific modellingSoftware.Used **Maven** as build tool on **Java** projects for the development of build artifacts
* Managed **Azure Container Registry** to store private **Docker images**, which are deployed and **Azurepipelines** to build, test, and deployments. **Azure Monitor** to collect metrics and logs. Configured **Monitor** totrack performance and maintain security, and used **Splunk** tool to collect metrics, queries.
* Used **Splunk** and **AppDynamics** for performance and log monitoring, created dashboards and alerts for Splunk.Developing **Docker** images to support Development and Testing Teams and their pipelines; distributed Jenkins, Selenium and **JMeter** images, and **Elasticsearch**, **Kibana** and **Logstash** (ELK & EFK)
* Using **Bash Shell Scripting** to schedule and automate processes including full and incremental backups using tar, crontab and snapshots, migrating and enlarging file system on Solaris and **Linux.**
* Creating Virtual machines using **Xen** and deploying **OS**, managing hardware.
* Configured **DNS, DHCP, NIS, NFS** in Sun Solaris 8/9 &other Network Services as desired.

**Environment: Git, Maven, Docker, AWS(EC2, S3, RDS, EBS, and Elastic Load Balancer, Auto scaling groups and optimized,volumes, EC2 instances), Chef, Jenkins, Apache Webserver, Apache JMETER, Python,Perl, Shell, PowerShell**

**Client: Sum Total Systems ,india Aug 2014 – Oct 2015**

**Role: Devops Engineer**

**Responsibilities:**

* Gathered, analyzed architectural design requirements&functional specifications of the client moduleImplemented **AGILE methodology**, participated in daily scrum meetings, code reviews, sprint planning and retrospectives as part of **Agile methodology**.
* Experience with **DevOps** tools **Jenkins**, **maven**, and **nexus** (or equivalent repository) with experience in **Jenkins** orchestration, configuration management.
* Setting up **Jenkinscontinuous integration** builds for all releases on **windows and Linux**.
* Responsible for defining **branching & merging strategy, checking policies, improving code quality, defining backup** and **archival plans**.Coordinating with resources by working closely with project manager s for the release and projectmanager for all the operational projects.
* Actively involved in the architecture of **DevOps** platform and cloud solutions.
* **Analyze, resolve, compilation** and **deployment** errors related to code **development, branching, merging** and **building** of source code along with **Linux administration** (installation, configuration, tuning, and upgrades of Linux.
* Implementing a **continuous deployment**(cd) pipeline involving **Jenkins**, **chef** to complete the automation from commit to deployment.Experienced in various components of chef including chef server, workstations, **nodes**, **configurations** of **chef-client**, **writing** cookbooks &recipes for the **chef** and assigning roles to nodes.
* Maintaining **chef** &**puppet servers**&management application that can use **ServiceNow** data to bring computers into a desired state by managing files, services or packages installed on physical or virtual machines.Building and configuring of **ec2** instance on **AWS cloud platform**, the configuration of elastic load balancer (ELB) for traffic control for the **EC2** and **S3 instances**.
* Used **JIRA** ticketing system to keep track of issues and tasks on individuals.
* Worked with **Docker** to deploy **Microservices** in modern containers to increase Isolation.
* Utilized Kubernetes and **Docker** for the runtime environment of the **CI/CD** system to build, deployContainerized the service using **Docker** while Orchestrating deployment and server management with **Kubernetes.** Performed automation testing and authored test scripts using **Selenium Web Driver, Selenium Grid and Junit**.
* Configured Cucumber Report Plugin and Performance Plugin to **Jenkins** to generate html test reports.Created and executed **JMeter** scripts for performance testing of portal.
* Expertise in using **JUNIT, TestNG**, Maven to build automation frameworks with **JAVA**Used unit framework for writing **Unit Test** cases,**Postman** for testing **REST** based web services
* Configured multiple **cookbooks**, recipes, templates, and attributes on workstations to be deployed to various Chef nodes.
* Set up the **LINUX** Cron jobs for automating various build related jobs and application data synchronization.
* Worked on writing multiple **Python**, Ruby and Shell scripts for various companywide tasks.
* Worked on configuring the **Apache** Tomcat for Java applications deployment.
* Setup the **GIT** synchronization for Django (Python based web framework) based applications.

**Environment: JDK 1.8, Spring Boot, Spring Security, Spring JPA, Hibernate, AWS, Angular 9, IAM, EBS,EC2, S3, Oracle, SQL,PLSQL , Log4J 2, Maven , HTML5,CSS4,Git,** Eureka**Junit,NoSQL, JIRA, Postman, MongoDB ,Jenkins, Docker, Kubernetes, OpenShift, U Deploy, U Release, SonarQube, Selenium Web Driver, Eureka ,JMeter, SonarQube ,Selenium Grid , Junit, Splunk, Kafka.**