

**SankaraGandhi Divvela**

**Sr AWS & DevOps Engineer (Solution Design, Automation, Enhancements, Implementation, Support & Deployments)**

**Mobile: +1 (959) 237-8240, Email:** [**gandhidivvela@gmail.com**](mailto:gandhidivvela@gmail.com)

**https://linkedin.com/in/sankaragandhi-divvela-45b04254**

**Career Objective:**

* With a brilliant professional record of Software developer and AWS Certified Solution Architect with experience in the areas of AWS Cloud Services, DevOps tools and technologies, Software Automation and Application Development.

**Professional Summary:**

* Extensive experience in hosting applications, services, requirement analysis, estimation, design, development, implementation and support of **DevOps & Amazon web services (AWS).**
* In-depth knowledge in provisioning AWS Cloud resources with objective of **automation, integration, and cost control**
* Experience with **SaaS** (Software as a Service), **PaaS** (Platform as a Service), and **IaaS** (Infrastructure as a Service) solutions
* Hands on Experience with **AWS** services like **EC2, S3, Auto scaling, Control Tower, ELB (Load Balancers), Cloud Watch, Cloud Trail, Lambda, IAM, AMI, Route 53, ECS, EKS, RDS (Aurora) Multi AZ, VPC, Subnet, Dynamo DB, EBS, API Gateway, AWS EDR, Cloud Formation, Code Commit, Code Deploy, Glacier, SNS and Key Management services.**
* A good hand on experience with **Terraform (Infrastructure as Code) & Cloud Formation** stacks to create cloud resources.
* Good hands on for generating the custom IAM roles and policies via **IAM Policy Generator.**
* Expertise configuring and integrating the servers with different environments to automatically provisioning and performing using Configuration provisioning tool **ANSIBLE.**
* Experienced with **Ansible** playbooks for virtual and physical instance provisioning, config management, deployments, patching’s.
* Extensive experience in implementing the Dynamic Inventory for **Ansible** projects.
* Good hands-on in creating inventory, job templates and scheduling the jobs using **Ansible Tower** and expertise in writing **Ansible** playbooks.
* Expertise in automating the manual tasks through **Ansible** playbooks for different versions of servers to perform backup & restore.
* Experience with Configuration Management automation tool Ansible and has worked on integrating **Ansible YAML Scripts**.
* Experience on handling the existing TF modules & updating the scripts for various services and re using in **Terraform.**
* Good hands on creating the scripts for **AWS Cron jobs** for services through **Terraform Modules and** various client related **TF Workspaces** from cyber ark.
* Good hands-on handling of the **Terraform lifecycle (Init, Plan, Apply)** from local & client remote desktops, updating & re-using of the AWS services **TF modules and tfvars.**
* Worked on version control repositories like **Perforce**, **GitHub**, **BitBucket, GitLab.**
* Good hands-on **AWS Cloud Formation** templates on creating IAM roles.
* Managed & Re-deployed the **AWS Lambda** functions and ad-hoc scripts using **Python** Flask Framework.
* Experience in developing data driven applications using **Pytho**n3.0 on Anaconda Spyder IDE’s
* Good hands-on in **Python** for implementing the logic & read the data from different data sources through **API** and running with **Docker container.**
* Good hands on in **Python** to implement the custom logic and transform the data sources details and storing in **REDIS** data store as key and values format.
* Experience in **Python** to deal with clients custom applications and implement the applications through **Podman, Poetry and Tox.**
* Setup and build AWS infrastructure for various resources EC2, S3, NLB, API, and AMI via **Cloud formation JSON** templates.
* Expertise in using builds tools like **MAVEN**, ANT for the building of deployable artifacts such as war & ear from source code and automating build process using **Jenkins’s** tool.
* Created **GIT, GitHub, Gitlab** repositories and specified Branching Strategies.
* Automated Experience in setting up **CICD pipelines** by using tools **Jenkins, Github, and Gitlab, Gitlab Runner.**
* Worked on POC’s for container systems like Docker and container orchestration like **Kubernetes**.
* Proficient with container systems like Docker and container orchestration like **EC2 Container Service, Kubernetes, worked with Terraform**.
* Practiced Agile Methodology and worked on various DevOps tools and technologies like **JIRA, Azure DevOps.**

**Technical Skills:**

|  |  |
| --- | --- |
| **Cloud Platform** | Amazon Web Services |
| **Version Control Tools** | GIT, GitHub, SVN, Perforce, CVS, Code Commit |
| **Infrastructure Provisioning tool** | Ansible (Roles, Dynamic Inventory, Plugins, Filters, Modules), Terraform, Cloud Formation |
| **DevOps Tools** | Maven, Jenkins, Nexus, ANT, Sonarqube |
| **Containerization Technologies** | Docker, Kubernetes, Helm Package, EKS, GKE |
| **OS Platforms** | UBUNTU, WSL (Windows Subsystem for Linux), Linux (Red Hat), CentOS 7 & 8 and Windows |
| **Application Servers** | Apache Tomcat 5.x, JBoss, Oracle WebLogic 10.x/11.x, WebSphere 5x, 6x,7.0 |
| **Web/XML Technologies** | HTML, DHTML, CSS, XML, XSL, JSON |
| **Databases Systems** | Dynamo, Oracle 8i/9i/10g/11g/12c, SQL Server 2000, MySQL, DB2. |
| **Programming/Scripting Languages** | Python, Groovy, PL/SQL, C, Java/J2EE, Xml, Korn Shell, PowerShell, SQL, JavaScript. |
| **IDE’s & tools** | JDeveloper, SQL Developer, Eclipse, Toad, PVCS, Workflow Builder, MS Project, MS office, Kintana, log4j, FD, Prometheus, VSCode |
| **Ticketing tools** | Service Now, ALM, Jira, Confluence, VSTS, Azure DevOps |

**Education, Certifications & Achievements:**

* **AWS Solution Architect** Associate.
* **BHP GEM** award for Overcome Boundaries.
* **Oracle CPQ** certified Essentials 2017.
* **Pacemaker** award for successfully delivering the high complex project within the deadlines.
* **Best Employee** of the team for hard work and dedication.
* **Bachelor of Information Technology** from Jawaharlal Nehru Technological University, India

**Work Experience:**

Client**: REDHAT**

Implementer: **Kyndryl**

Sr AWS & DevOps Engineer Sep 23 – Present

Project: ML and TSP

Roles & Responsibilities

|  |
| --- |
| * Set up the new environment called **WSL** for windows to support Red hat RHEL servers and existing ansible plugins for **Ubuntu** box and synced the VM with Red hat supported plugins and versions. * Setting up the local environment for **REDIS Docker Container** to execute the **Python** application. * Updated the existing custom logic in **Python** to read the newly added variable data from data sources through **Web API**. * Experience in using different **Python modules** such as requests, urllib for web scraping. * Introduced new class in Python to read the **LOGGER method** to display **INFO & DEBUG logging** levels for various data sources **Pager duty, Vitals, Jira and Semaphore Flags** * Performed **troubleshooting**, fixed and deployed **Python** bug fixes of web API application that were a main 5 data sources of clients. * Experience in implementing the new custom logic for **Logger modules** in **Python** to display INFO output in application hierarchy level. * Handled the existing application and modified the logic in **Python** to display the LOGGING of web API in better format and append with **Time zone, Environment variables, Instances & messages.** * Good experience in compiling and debugging the issues in Python and running the complete application through **Python TOX** to make sure that all the coding standard and required formats are followed as per the requirements. * Creating a new virtual environments for **Poetry Shell** to support and maintaining the Python applications. * Handling the runtime errors in the **Python** code and importing the various required **import libraries** based on the issues. * Forked the **Gitlab REPO** for backend application and updating the code in **Python** for pager duty data source, validating, testing, performing end to end scenarios through Python TOX and pushing the code to forked custom Gitlab repo. * Written new custom logic in **Python** for newly introduced Data Source **Catalog** and transformed the output values to data store in open source data base **REDIS**. * Writing the test scenarios for synchronous python application based on the data sources & data store in REDIS and pushing the code to respective Gitlab repo and submitting the MR. |
| **Environment:** Ubuntu WSL, RHEL 8.x, 9.x, Linux, Poetry Shell, Python 3.10x, Custom web API, Podman, Docker, TOX, Pager Duty, Jira, Catalogs, Semaphore Flags, Vitals, Gitlab, CI/CD, VS Code, Azure DevOps |

Client**: REDHAT**

Implementer: **Kyndryl**

Sr AWS & DevOps Engineer Jun 23 – Sep 23

Project: Tools Backup, Restore & Patching

Roles & Responsibilities

|  |
| --- |
| * Maintained all AWS infrastructure and services within **Ansible** playbooks, updating the existing services, KMS, provisioning the new S3 buckets. * Set up the new environment called **WSL** for windows to support Red hat RHEL servers and existing ansible plugins for **Ubuntu** box and synced the VM with Red hat supported plugins and versions. * Fixed ansible setup issues with **WSL Ubuntu** for Ansible core 2.14 is causing the issue for existing plugins for client environments. * Worked on **Nexus & Sonarqube** VM’s to perform different type of activities. * Updated the existing **Ansible** code and make it more dynamically to read the custom Jason policies and custom ARN while provisioning the new S3 buckets. * Designing the new **KMS key** as per the client security norms and attaching the same to buckets with **Dynamic Ansible playbooks.** * Designing the new **Ansible** **roles** to implement the requirements as per the business needs. * Implemented a complete automated **Ansible** playbook to create a new policy, attach the policy to role and assigning the role to EC2 servers in AWS cloud. * Setting up the **Ansible** environment with required **Galaxy**, roles and requirements to support existing AWS plugins, filters and existing codes. * Worked on Amazon AWS EC2 cloud services for installing, configuring and troubleshooting on various Amazon images like Amazon Linux AMI, Red hat 4.x, 5. x.6.x,7.x, Ubuntu 12.x, 13.x, 14.x, 15.x. Created and managed multiple Instances of Apache Tomcat and deployed several test applications in those instances in QA environment. * Automated backup and restore mechanisms and deployments using Ansible playbooks for resource declaration and creating the roles and updating the playbooks to provision servers by using **Ansible**. * Creating different VM’s in **Ubuntu WSL** to support for existing plugins and dynamic inventory and supporting for business needs as Ansible 2.9x, 2.10x & 2.8 versions. * Implemented a new **Ansible Dynamic Inventory** and designed new playbook to read the Filters, FQDN and app codes to establish the connection based on the server to handle for both **PROD & QA**. * Developed **Ansible plays** to configure, deploy, and maintain software components of existing infrastructure in AWS cloud * Implemented the Ansible vault and reading the values from dynamically to establish the connections with **AWS cloud**. * Designed a new Ansible project and implemented playbooks to provision the new **AWS S3 buckets** to perform backup and restore process for Nexus & Sonarqube servers. * Written a new Ansible playbook to connect to EC2 server, read the .bak dbfiles and sort the order based on the system’s date and listing the files to capture and backup the data to newly created S3 bucket. * Designed a new playbook to automate the complete process to perform the restore from Nexus VM to s3 bucket and from S3 bucket to pull the latest data and restore the data in QA server. * Written the Ansible YAML scripts to configure the remote servers. * Executing the backup tasks in **NEXUS PROD & QA** instances to make sure that the playbook to read the latest dbfiles from front end and store ten in s3 and in QA backend server. * Worked with sonatype **NEXUS support** team to fix the **blobstore** issue, where PROD s3 bucket was mapped in both PROD & QA NEXUS environments. * Given the solution to client that NEXUS\_OVERRIDE\_VARIABLE is helpful to replace the existing blobs PROD bucket to QA s3 bucket. * Designed a new playbook to perform the replication of blob data from Prod S3 to QA S3 to save time for 1.6 tb data for the updated changes only. * Managed Ansible playbooks and Ansible modules to automate the provisioning, backup, restore, patching and cron job executions. * Designed a robust and flexible playbook in such manner as, that can be reusable for versions of different RHEL 8.x, 9.x servers to perform the patching activity to update the internal repo and packages and rebooting the server after performing the updates. * Cloning the existing repo’s from **Gitlab**, creating the new branches and (**Hotfix, debug**) and pushing the latest codes to repo’s. * Generating an establishing the connection from local host to **Gitlab** through new **SSH keys.** * Creating a new sub repo’s in **Gitlab** for various projects **NEXUS, Sonarqube** and AWS for provisioning, configuration’s, to store Ansible roles. * Implemented Dynamic Inventory Playbook to read and execute existing cron job from RHEL servers, take the results of cron and backing up the data in s3 buckets an QA server. * Designed a new JOB template in Ansible Automation Platform to automate the complete process of provision, backup, restore and scheduled the tasks based on the client requirements. * Responsible for automated deployment of python applications in Tomcat server using **Ansible** scripts. * Designing and generating the **custom IAM policies**, to establish the connection between VM’s and S3 buckets, and automated the whole manual process through Ansible. * Performing the peer code reviews for teammates ansible code and make sure that is adhere as per the coding standards. * Validating & testing the playbooks thoroughly in the local and remote for QA instances and pushing the code to respective **gitlab** repo’s, submitting the MR’s * Created the documentation for complete activities of all the actions that performed and automated using Ansible (backup, IAM role, restore, patching, provisioning, custom roles and WSL Ubuntu setup). |
| **Environment:** Ansible (Tower, Galaxy, Module, Roles, Dynamic Inventory, Filters), Ubuntu WSL, RHEL 8.x, 9.x, Linux, Bash script, AWS (EC2, S3, ASG, ELB, IAM Custom Policy Generator, AMI, IAM, RDS (postgres), Elastic IP’s, Volumes, Snapshots), Nexus, Sonarqube, Gitlab, CI/CD, Visual Studio, Jira, Azure DevOps |

Client**: BHP**

Implementer: **Accenture**

Cloud Tools & Automation Eng Specialist Jan 22 – Feb 23

Project: AWS, DevOps Implementation & maintenance

Roles & Responsibilities

|  |
| --- |
| * Design, implement and maintain all AWS infrastructure and services within a managed service environment. * Updating the existing TERRAFORM workspace and building the new scripts as per the client requirement. * Executing TF scripts and logs can be accessed in Terraform Cloud UI. * Working with Cloud Factory team, to check the new version of the modules released and updating the scripts in TF to support for all latest versions. * Updating the TF scripts & executing the same with latest custom AMI’s ID and Name to update the Infrastructure in AWS cloud. * Updating the TF scripts as per the High-Level Design document version changes and re deploying the code to maintain the infrastructure in AWS (Instance Type etc..). * Creating servers, AMIs, storage blocks in S3, taking snapshots, load balancing and auto-scaling in AWS. * Generating and checking the AWS billing cost reports for every month for both Non & Prod instances and taking necessary action to avoid extra costing for clients. * Modifying the ASG groups for MAX values to have contingency for application is running fine without fail. * Monitored and identified in logs that RAM usage going high on instance and then decided to move to higher RAM. * Invoke apipeline run from forked repo and supply necessary values for the pipeline variables. * Updating and deploying the existing TF modules as per the client requirements for APIGW, ASG, NLB, [lambda\_for\_apigw](#bookmark=id.3znysh7), [lambda\_for\_key](#bookmark=id.2et92p0), [certificate\_for\_nlb](#bookmark=id.tyjcwt) etc... * Worked on GIT web hooks to automate the job via Jenkins when new changes are pushed. * Worked on Amazon AWS EC2 cloud services for installing, configuring and troubleshooting on various Amazon images like Amazon Linux AMI, Redhat 4.x, 5. x.6.x,7.x, Ubuntu 12.x, 13.x, 14.x, 15.x. Created and managed multiple Instances of Apache Tomcat and deployed several test applications in those instances in QA environment. * Manipulated Cloud formation templates and upload to S3 service and automatically deploy to entire environment. * Integration of Maven/Nexus, Jenkins with patterns and releases via GIT, Jira and Confluence. * Orchestrated a CI/CD pipeline with use of GitHub for version control, GitHub Actions for CI with the use of other plugins like Python and Artifact Registry and Kubernetes Engine for orchestration of containers * Debugging / fixing the errors as part of CI/CD infra process, while executing the code from Terraform. * Implemented CI/CD pipelines to deploy the required WAR files in Nexus artifact tool. * Working on GitLab branches to support both Non-Prod and Prod instances for Main, Dev, Prod branches. * Created and configured Oracle DB instances in AWS RDS and created roles for database. * Debugging the LAMBDA issues by passing the run time variables to check the custom reports. * Worked on Kubernetes to deploy, load balance, scale and manage Kubernetes Engine, managed pods and troubleshot for ImagepullBackoff Error. * Generating the new CERTIFICATION for SSL and importing/updating the certifications for ELB (Load Balancer). * Worked on integrating Git into the CI/CD environment along with Jenkins. * Health checks and monitoring the EC2 servers to make instance is healthy. * Working on API gateway transition to check the connection details and configuring new reports with API integration. * Maintaining and uploading the client imp data files to S3 buckets and enabling the encrypting for security purpose. * Generating the logs as part of debugging process through Session manager and identifying the problem. * Handling the API flow from Cloud Factory team to update any change in the client workstation IP’s. * Designing and implementing fully automated server build, management, monitoring, and deployment solutions. * Installation and configuration of Git, merging code from develop branch to master branch and make it ready for deployment. * Extensively using of Git commands to update the branches between DEV & PROD. * Creating S3 buckets and also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS. * Worked on new RDS oracle databases and created IAM policies and users. * Rewrite existing Python Flask module to deliver certain format of data. * Maintenance of the CI/CD pipelines in Gitlab through GitLab runner. * As part of Agile methodology implemented the project in Sprints wise, as Sprint1, Sprint2 and Sprint3. * Launching and configuring of Amazon EC2 (AWS) Cloud Servers using AMI's (Linux/Ubuntu) and configuring the servers for specified applications using Jenkins. * Orchestrated a CI/CD pipeline with use of GitHub for version control, GitHub Actions for CI with the use of other plugins like Python and Artifact Registry and Kubernetes Engine for orchestration of containers * Used AWS ECS to run Docker containers on ECS Fargate, and ECS on EC2 and implemented docker container logging with docker container. * Managing the SPOKE account related activities (ID, Acc Key, Secret Key, Region etc.) * Configuring, supporting, and maintaining load balancer, operating systems and software in AWS EC2 Instances. * Deployed and monitor scalable infrastructure on Amazon web services (AWS) & configuration management. * Created support case with AWS for any critical issues and follow-up. * Documenting the best practices and target approaches for CI/CD pipelines. * Knowledge of using Routed Protocols: SSH, HTTP, HTTPS and Coordinated with the Offshore and Onshore teams for Production Releases. * Managed Kubernetes state full application for deploying the application. * Published RDS capabilities and limitations documentation on Github. * Debugging and working on p4 issues that related Linux Administration & Python scripting. |
| **Environment:** GitLab, AWS (EC2, Lambda, API Gateway, S3, ASG, ELB, VPC, Subnets, CM, RDS, SNS, IAM, EKS, SM, IAM Policy Generator), Terraform, Kubernetes, Infra CI/CD, Python (Flask), Linux Server Writer, Anaconda, Postman, RDS |

Client**: Net APP**

Implementer**: HCL**

Senior AWS Engineer June 19 – Jan 22

Project: DevOps Implementation

Roles & Responsibilities

|  |
| --- |
| * Designed and implemented a continuous build-test-deployment (CI/CD) system with multiple component pipelines using Jenkins to support weekly releases and out-of-cycle releases based on business needs * Experience with container-based deployments using Docker, working with Docker images, Docker Hub and Docker-registries and Kubernetes. * Experienced Cloud and DevOps engineer in Automating, Configuring and deploying instances on AWS cloud environment. * Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes * Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on GCP (Google Cloud Platform). Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy. * Involved in development of test environment on Docker containers and configuring the Docker containers using Kubernetes. * Created **Jenkins** CICD pipelines for continuous build & deployment and integrated **SonarQube** plugins in Jenkins for automated testing and for Code quality check. * Integrated **SonarQube**with Jenkins for continuous inspection of code quality and analysis with SonarQube scanner for Maven. * Utilized **Kubernetes**for the runtime environment of the **CI/CD**system to build, test deploy. * Responsible for product deployments into QA, STAGE and PROD environments. * Managing day-to-day software configuration management activities for multiple product lines, including source code control, Version control, branch management, **build** management, **release** management, etc. * Creating servers, AMIs, storage blocks in S3, taking snapshots, VPCs, subnets, load balancing and auto-scaling in AWS. * Worked on GIT tags to archive the source code repo post the project finished and to reduce the cost. * Designing and implementing fully automated server build, management, monitoring, and deployment solutions spanning multiple platforms, tools and technologies including Jenkins Nodes/Agents, SSH, Amazon EC2 and packaging, deployment, and testing. * Installation and configuration of Git, merging code from develop branch to master branch and make it ready for deployment. * Developed a Python script to load the CSV files into S3 bucket and created AWS S3buckets, performed folder management in each bucket, managed logs. * Worked on Cloud automation using AWS cloud Formation templates. * DevOps role converting AWS infrastructure to Server-less architecture (AWS Lambda) deployed via Cloud Formation. * Pushing Code from Git to nexus make available for release through automation script using Jenkins. * Designing the Jobs in Jenkins from GIT Hub and scheduled the automated jobs to make sure of Continuous Integration and deploying the WAR/EAR/JAR files in Target application Server to make sure of Continuous Delivery as CICD role. * Good Hand on GIT and Jenkins Continuous Integration of Server–Installation, Configuration, Design and Administration, and integrating these tools with other systems.. * Updating the plugins in Jenkins that we installed as part of CICD flow to avoid Jobs are failing. * Setup and launch Amazon Linux and RHEL and Windows EC2 instances, network interface with Elastic IP’s. * Configured and managing S3 storage. Backups. * Configuring, supporting and maintaining all network firewall, storage, load balancer, operating systems and software in AWS EC2 Instances. * Configuring S3 versioning and lifecycle policies to and backup files and archive files in amazon Glacier. * Creating Ansible Playbooks, to Deploy VM and install the Components as per requirements. * Created AMI images of the critical ec2 instance as backup using AWS CLI and GUI. * Deployed and monitor scalable infrastructure on Amazon web services (AWS) & configuration management. * Knowledge of using Routed Protocols: SSH, HTTP, HTTPS and Coordinated with the Offshore and Onshore teams for Production Releases. * Taking image backup of instances and launching the same when required * Launching and configuring of Amazon EC2 (AWS) Cloud Servers using AMI's (Linux/Ubuntu) and configuring the servers for specified applications using Jenkins. |
| **Environment:** Java, SonarQube, GitHub, CI/CD, Jenkins, Maven, Oracle CPQ Cloud, AWS (EC2, AMI, S3, APIG, NLB, VPC, Subnets, Aurora), Nexus, Apache Tomcat, Linux, Postman, Terraform, Scripting, Kubernetes, Python, |

Client**: Emerson ITS**

Senior AWS Engineer Dec 16 – May 19

Projects: VA Division, Productizing the services Phase I & II

Roles & Responsibilities

|  |
| --- |
| * Implementing Dev, Staging and Production environment, with all components, completely automated. * Carryout Weekly and Monthly PROD Deployments for existing services. * For new services, setting up AWS region from scratch till production release using Cloud formation, EC2, Route53, Cloud front, Auto scaling, ELB, VPC, Cloud Formation, S3, Opsworks. etc for various server side technologies like java, nodejs, PostgreSQL etc. * Experience in writing playbooks and custom roles for automating repetitive administrative tasks using Ansible. * Deployed and monitored scalable infrastructure on Amazon web services specifically on AWS EC2. * Developed automation framework for Application Deployments to the cloud environments. * Working with supporting different Environments with help of Ansible to deploy applications in different Target Environments. * Create and maintain continuous integration (CI) and continuous deployment (CD) environments to facilitate an agile development process. * Strong experience running infrastructure within Amazon Web Services (EC2, S3, IAM, VPC, Cloud Formation etc). * Setting up Jenkins jobs to pull the code from the repository to build Docker images dynamically using maven Docker plug-in to build image and start containers and pushing it to Docker private registry. * Implementing a Continuous Delivery framework using Jenkins, CHEF, Maven in Linux environment. * Work closely with developers to integrate and constantly refine development process into CI/CD pipeline. * Manage configuration of Web App and Deploy to AWS cloud server through Ansible. * Worked on infrastructure with Docker containerization and maintained Docker Images and containers. * Created a airflow scheduled Python scripts to automate the process of wide range of data from S3 bucket. * Implemented and managed Dynatrace on business social critical desktop and mobile applications. * Resolved 30+ customer complaints everyday related to Jenkins, Git, Clearcase, Nexus, Sonar, Java. * Created **Jenkins** CICD pipelines for continuous build & deployment and integrated **Junit** and **SonarQube** plugins in Jenkins for automated testing and for Code quality check. * Integrated **SonarQube**with Jenkins for continuous inspection of code quality and analysis with SonarQube scanner for Maven.. |
| **Environment:**  GIT, Maven, Jenkins, Ansible, Amazon Web Services (AWS), Python, Tomcat, SVN, shell/bash, RHEL, Centos, Nexus, Kubernetes, Docker, Terraform, cloud formation, Python, SonarQube |

Client**: NetApp**

Implementer**: HCL**

DevOps Engineer Jan 16 – Dec 16

Projects: Quote Edge Implementation

Roles & Responsibilities

|  |
| --- |
| * Implement process and quality improvements through task automation. Institute infrastructure as code, and automation or routine maintenance tasks. * Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu/RHEL) and Configuring launched instances with respect to specific applications. * Performed S3 buckets creation, policies and also on the IAM role based polices and customizing the JSON template. * Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud watch. * Managed servers on the Amazon Web Services (AWS) platform instances using Chef Configuration management. * Create Chef Automation tools and builds, and do an overall process improvement to any manual processes. * Written Chef Cookbooks for various DB configurations to modularize and optimize end product configuration. * Installed application on AWS EC2 instances and also configured the storage on S3 buckets. * Converting production support scripts to chef recipes. And AWS server provisioning using Chef Recipes. * Involved in the installation and configuration of Nix as a web server. * Experience with Build Management tools Ant and Maven for writing build.xmls and Pom.xmls. * Experienced in build and deployment of Java applications on to different environments such as QA, UAT and Production. * Branching, Tagging, Release Activities on Version Control Tools: SVN, GitHub. * Extensive usage of Tortoise SVN in windows environment for version control activities. * Implemented Continuous Integration using Jenkins and Hudson. * Installed Workstation, Bootstrapped Nodes, Wrote Recipes and Cookbooks and uploaded them to Chef-server, Managed On-site OS/Applications/Services/ Packages using Chef as well as AWS for EC2/S3&ELB with Chef Cookbooks. * Worked on the cloud automation framework namely CHEF the included automation of certain software installation processes in the form of Ruby code. * Supported development sprints by automating instance provisioning using Cloud Formation and code deployments using chef, Jenkins, Git hub. * Installed administered and configured Jenkins Continuous Integration tool. * Provided framework for automated deployment in Tomcat environment. * Managed and monitored the server and network infrastructure using Nagios. * Handled Major Incidents along with P1, P2, P3 & P4 Priority Cases. Monitoring tools like Nagios, and Sensu etc. |
| **Environment:** AWS (EC2, AMI, IAM, S3, Snapshots, ELB, Cloud trails), GitHub, Maven, Jenkins, Linux, Nexus, Tomcat, Java, CI/CD, Terraform |

Client**: NTT DATA**

AWS Engineer May 15 – Dec 15

Projects: OPSM Implementations

Roles & Responsibilities

|  |
| --- |
| * Creating servers, AMIs, storage blocks in S3, taking snapshots in AWS. * Created and maintain Continuous integration process Documentation. * Involved while project moving from GCP to AWS cloud. * Installation and configuration of Git, merging code from develop branch to master branch and make it ready for deployment. * Pushing Code from Git to nexus make available for release through automation script using Jenkins. * Created message management using AWS SNS. * Continuous monitor for Jenkins JOB to make sure that jobs are not failing, and deployment is smooth and successful. * Updating the plugins in Jenkins that we installed as part of CICD flow to avoid Jobs are failing. * Launching and configuring of Amazon EC2 (AWS) Cloud Servers using AMI's (Linux/Ubuntu) and configuring the servers for specified applications using Jenkins. * Created AMI images of the EC2 instance. * Responsible for proper functioning DEV/TEST/UAT & PROD environments for these applications. * Deployed and monitor scalable infrastructure on Amazon web services (AWS) * Created support case with AWS for any critical issues and follow-up. * Taking image backup of instances and launching the same when required. * Implemented Continuous Integration using Jenkins and Git |
| **Environment:** AWS (EC2, AMI, IAM, SNS, S3, ELB, ASG), GitHub, Jenkins, CI/CD, Linux, Nexus, Java, Tomcat, Linux |

Client**: Config Consultants**

Consultant Dec 12 – Apr 15

Projects: OCD, Rosemount Division

Roles & Responsibilities

|  |
| --- |
| * Understand the legacy data provided by the client and implement the same in the Oracle Applications. * Involved in the requirements gathering, requirements analysis, Business flow, work process understanding and in the design of documents. * Successfully leading the PA team, gathering the requirements from client and onsite team, designing the solution as per the requirements. * Built the Custom User interfaces and maintained the controller and model logic. * Worked on building several types of custom templates which will be reusable in the designing of custom UI. * Understanding the rules PDF document issued by business and implementing the rules in OCD. * Implementing the complicated rules in the OCD with the help of CDL guide, like UOM conversions etc. * Training the team members in part of project flow and how to design the UI and rules implementation etc. * Interaction with clients on various aspects like open issues and requirement gaps. * Developed different type of SQL scripts to meet certain requirements. * Preparing the excel sheets in part of CDS encoding fields for individual configurations. * Integration of CDS Non BOM model to BOM model and designing the UI, rules implementation in part of integration. * Finally, integrated model published to target instance and solving the issues at the time of publishing model. * Perform Unit Testing and resolved certain issues of the project based on UAT. * Supporting for SIT issues and solving the issues ASAP. * Registered the Concurrent Programs, Forms, Reports and Requests Sets in AOL and System Administration. * Developed many internal tools which can convert the legacy data into Oracle Applications understandable format for ex, the tool which can convert rules from given legacy Excel files into Oracle Configurator CDL statement rules. * Build models, rules, user interfaces and content templates in the Oracle Configurator. * Load the items into the Oracle Inventory, creating the bills in the Bills of Material, common them to different organizations. * Performing BOM pre-explode and populating the BOM to repository * Complicated and challenging UI designing for the models. * Design/Code PL/SQL packages/procedures or functions as per the Requirement * Modify existing packages/procedures/functions as per the Requirement * Performance Tuning - Tune existing SQL Queries or PL/SQL code for better performance (mostly in projects with both development & support ) * Publishing the models to different target instances and performing unit testing through different browsers to understand the configuration behaviour. * Accessing the log files to solve the issues after model published to target instances. * Creating the start items in order management after configuration completed for model string. * Executing the test scripts with bunch of model strings and handling the issues. * Performing regression and Unit Testing. |
| **Environment:** Oracle Configurator EBS, Java, BOM, OM, INV, Quoting, SQL, SO, Oracle 10g, PLSQL |