**Goru Santosh Rahul**

**Summary**

* **Over 3.10 year of Experience in IT industry with in Configuration Management, Change/Release/Build Management, System Administration, Support and Maintenance in environments like upgrading automating builds tools and deployment process using Shellscripts with focus on DevOps tools and AWS Architecture.**
* Extensive experience in the design and implementation of fully automated Continuous Integration, Continuous Delivery, Continuous Deployment pipelines and DevOps processes for Agile projects across the Financial and Broadcast
* Experience in working on AWS and its services like **AWS IAM, VPC, EC2, ECS, EBS, RDS, S3, ELB, Auto Scaling, Route 53, Cloud Watch, Cloud Trail and SNS** and experienced in Cloud automation using AWS Cloud Formation templates to create custom sized VPC, subnets, NAT, EC2 instances, ELB and Securitygroups.
* Strong experience on DevOps essential tools like **Ansible, Rancher, Docker, Kubernetes, GIT, Hudson, Jenkins, Ant, Maven and Managed Services like EC2, S3, Route53, ELB, EBS.**
* Experienced with principles and best practices of Software Configuration Management (SCM) in **Agile** methodologies.
* Detailed technical knowledge and hands-on experience of DevOps, Automation, Build Engineering and Configuration Management
* Created infrastructure in a coded manner (infrastructure as code) using **Ansible and Jenkins Configuration as code.**
* Ability to learn new concepts and adapt to new environments.

**Experience**

* HCL Technologies September 2018 – Till Dated
* Xavient Information Systems India Pvt. Ltd July 2015 – August 2018

**Key skills and experience**

**Languages : Java, Shell scripting, Maven**

**Version Control : Git**

**Source Code Management : Bitbucket, GitHub, GitLab, Gerrit**

**Configuration Management : Ansible**

**Software/Tools :**  **Jenkins, Docker, Kubernetes, Ansible, Nexus, GitLab**

**Testing tools : SonarQube, Junit**

**App/Web Servers : Tomcat, JBoss**

**Virtualization : Docker, Amazon, Kubernetes, Rancher**

**Platforms : Linux and Windows**

**Security Tools : OWAPS, Sonar IQ Server.**

* Designing and implementing Continuous Integration, Continuous Delivery and Continuous Deployment pipelines for a range of projects and environments including Middleware, iOS and Android
* Experience in managing the Jenkins Jobs using Jenkins pipeline scripts and keeping the pipeline code “**DRY**” with shared libraries.
* Automating environment build and provisioning using virtualization, containerization and orchestration tools with Docker, AWS.
* Experience in Securing the Devops tools by enabling **“HTTPS”** for secure communication.
* Experience using, managing, implementing and automating a range of Version Control systems including Git
* Setup and managed EBS Volumes and EIP to EC2 Instances.
* Proficient in AWS services like VPC, EC2, S3, ELB, AutoScalingGroups(ASG), EBS, RDS, IAM, CloudFormation, Route 53, CloudWatch.
* Created S3 buckets in the AWS environment to store files, sometimes which are required to serve static content for a web application.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java.
* Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
* Proficient in writing Cloud Formation Templates (CFT) in YAML and JSON format to build the AWSservices with the paradigm of Infrastructure as a Code.

**Career Profile**

**HCL Technologies September 2018 – Till Dated**

**Project 1# ERS-ET1-Technology Office-DevOps September 2018 – Till Dated**

**Project : Devops**

**Client : DBS Banking.**

**Location :** Noida, India

**Role :** Lead Engineer.

**Environment :** Jenkins, GitLab, Gerrit, Docker, Kubernetes, Rancher, Java ,  Nexus v3, Bash Shell Script, Maven, SonarQube , Tomcat,Jira, AWS.

**Responsibilities**

* Creating builds in Jenkins using Jenkins Pipeline.
* Container orchestration: Rancher, Kubernetes and Docker.
* Implemented a production ready, load balanced, highlyavailable, faulttolerantKubernetes infrastructure.
* Created private cloud using Kubernetes that supports DEV, TEST, and PROD environments.
* Containerized all the Ticketing related applications - SpringBoot Java and Node.Js applications using Docker.
* Created dynamic routing/load balancing capability enabling large application scaling, used ingress rules and IngressControllers- HA-Proxy.
* Created a Continuous Delivery process to include support building of Docker Images and publish into a private repository- Nexus v3.
* Designed and documented CI/CD tools configuration management.
* Created a Continuous Delivery process to include support building of Docker Images and publish into a private repository- Nexus v3.
* Installed and configured Nexus repository manager for sharing artifacts between internal teams and created proxy Nexus repositories to speed up the build process.
* Responsible for installation & configuration of Jenkins to support various Java builds and Jenkins plugins to automate continuous builds and publishing Docker images to the Nexus repository.
* Built and deployed CI/CD pipelines
* Orchestrated CI/CD processes by responding to Git triggers, human input, and dependency chains and environment setup.
* Used CI/CD tools Jenkins, Git/Gitlabs, Jira and Docker registry/daemon for configuration management and automation using Ansible
* Migrating GitLab Groups and Projects from one server to another server.
* Creating Jenkins shared Libraries for utilizing the same libraries for all kinds of builds.
* Creating libraries for auto integrating Jenkins, SonarQube, Nexus, Gitlab, Gerrit using Ansible URI module and Jenkins Configuration as Code.

**Xavient Information Systems India Pvt. Ltd- JULY 2015 – August 2018**

**project 3# Devops : Sep 2017 – August 2018**

**Project : Devops** Services for Unionbank of Califonia, USA (Finance)

**Location :** Banglore, India

**Role :** Devops Engineer.

**Client :** Unionbank of Califonia

**Environment :** Jenkins, Bitbucket , Docker, Java , Appscan , OWAPS , Spring Boot, Nexus , Maven,Sonar Qube , OpenShift , AWS.

**Responsibilities**

* Admin for Jenkins , Bitbucket , Nexus and Sonar.
* Creating CI , Schudule , Snapshot and Release builds in Jenkins.
* Migrating All Projects in MKS Source Code to Bitbucket Projects and creating Repositores in Bitbucket.
* Creating Docker Containes for Users for DEV , TST , UAT , PTE and PRD env.
* Uploading User requested libraries to Nexus PRD and creating Jboss Modules in Nexus.
* Resolving issues faced by the user in Jenkins Builds.
* Working with AWS and HPE people with migrating Devops tools into Public Cloud.
* Having experience in Creating Infrastructure in AWS using Cloud Formation templates.
* Having experiecne in AWS services like EC2 , S3 , EBS , VPC , SNS , Cloud Watch , ELB , EC2 Auto Scaling
* Having experience in Upgradation of Devops tools in Testing level and Production level
* Working closely with Developes to implement Private cloud integrating Micro Services and Openshift.

**project 2# Ma Services: Dec 2016 – Sep 2017**

**Project :** Middleware Services for Dish, USA (Telecom)

**Location :** Banglore, India

**Role :** Software Engineer.

**Client :** Dish Network

**Environment :** Jenkins, Docker, Java , Spring Boot, Maven,Sonar Qube , Artifactory, AWS.

**Responsibilities**

* Developing rest and soap web service using spring ws and Spring mvc.
* Implementing Request/Response model for marshalling/unmarshalling JSON with Jackson libraries
* Implementing Service/Business layer for common business logic
* Implementing Spring Controller endpoints for Restful style API access
* Securing Spring Rest Webservices using OAuth2
* Securing Spring Soap Webservices using Spring-WS(Wss4jSecurityInterceptor)
* Creating and maintaining fully automated CI build and deployment infrastructure and processes for multiple projects
* Using Docker, Jenkins, Kubernetes, Artifactory & GitLab
* Developing Docker images to support Development and Testing Teams and their pipelines; distributed Jenkins, Selenium.
* Working closely with architecture, development, test, security and IT Services teams
* Installing, configuring and maintaining Continuous Integration and automation/configuration management tools
* Created VPC in AWS and managing the security using Public and Private Subnets.
* Created a flow for Blue Green Deployment for Prodection Environment on AWS instance.
* Migrating MicroServices to ServerLess MicroServices in AWS Lambda.

**project 1# Data Grid: JULY 2015 – DEC 2016**

**Project :** ESP DataGrid for Comcast, USA (Telecom)

**Location :** Noida, India

**Role :** Associate Software Engineer.

**Client :** Comcast is world’s largest telecom company operating from USA

**Technologies : Web Services , Spring Boot, Couchbase DB(NoSql) , Spring ,**

**Junit, Mockito , Swagger API ,gradle , JdbcTemplate, Oracle, Mapstruct.**

**Description :** ESP(Enterprise Service Platform) DataGrid is complete enterprise

integration application. It is using to integrate Comcast partner

(biller and billing platform, account and contact management,

Inventory management).

**Responsibilities**

* Migrating legacy code to new spring boot based configuration.
* Developing rest and soap web service using spring ws and Spring mvc.
* Implementing Request/Response model for marshalling/unmarshalling JSON with Jackson libraries
* Implementing Service/Business layer for common business logic
* Implementing Spring Controller endpoints for Restful style API access
* Securing Spring Rest Webservices using OAuth2
* Securing Spring Soap Webservices using Spring-WS(Wss4jSecurityInterceptor)
* Cloud based deployment using cloud foundry.
* Client communication and requirement analysis.
* Sonar setup for code quality management.
* Writing Junit using mockito.
* Converting hibernate query to native query to support Jdbctemplate.
* Swagger implementation for rest web services.
* Writing functional/contract test cases using mocko server.
* Writing performance test in scala.
* Writing integration test.
* Deploying the project to Pivotal Cloud using GOCD tool.
* Involved in deployment for Dev,QA,Int.

**Educational Qualification**

* B.Tech in Electrical and Electronics from Jawaharlal Nehru Technological University - Kakinada in the year 2015 with 63%.

**Awards and achievements**

* Achieved “Pat on the Back” award.
* Known as the “Achiever of the Office”.

**Personal Snippets**

* **Date of Birth** : 01-11-1993.
* **Languages Known** : English, Hindi and Telugu.
* **Passport Number** : K8535966
* **Email** : santoshrahul81@gmail.com
* **Contact No.** : 8186095081

**(Goru Santosh Rahul)**