**Kolla Raghu Email: -xxxxxxxxxxxxxxxxx**

**AWS/DevOps Engineer Contact: - xxxxxxxxxxxxxxxx**

**PROFILE SUMMARY: -**

Successful AWS/DevOps Engineer over 3.5 years of professional Experience dedicated to automation and optimization that supports integration, deployment, and operating projects. Understands and manages the space between operations and development to quickly deliver code to customers.

* Having 3.5years of total IT experience in Devops and AWS.
* Implemented Devops practices in an agile scrum environment.
* Having Experience work with Atlassian tools like JIRA, Confluence.
* Good understanding of Git version controlling.
* Knowledge of working on various strategies for branches, merging, and rebasing etc.
* Having experience in Maven build tool.
* Performed end to end automation of Build and Release life cycle using Jenkins.
* Experience in running Jenkins jobs in a distributed environment using master/salve.
* Having experience in Jenkins pipeline projects.
* Good knowledge on storage and retrieval of build artefacts (.war/.jar) using JFrog repository
* Well versed in creating Groovy based pipeline scripts for Jenkins automation.
* Strong knowledge in Docker containerization.
* Used docker compose for creating Dev and QA environment based on client requirement.
* Having experience in creating custom Docker Images using Docker file.
* Having knowledge on Docker Networking.
* Experience in implementing load balancing, autoscalling, and fail over scenarios using docker swarm.
* Experience in configuration management using Ansible.
* Created playbooks and roles for automating tasks on the remote servers.
* Monitoring Production Server Health of different parameters (CPU Load, Physical Memory, Hard disk, and response time) using Nagios and New Relic.
* Have experience with the Cloud, as well as DevOps automation development for Linux systems. Seeking a position in AWS/ DevOps to contribute my technical knowledge.
* Experience in Cloud to design Infrastructure as a Service (IaaS) Amazon Web Services - EC2, S3, VPC, Subnets, RDS, IAM and SNS.
* Creating AMIs, Snapshots, and Volumes in AWS.
* Managed and supported AWS Security related issues, such IAM and S3 policies for user access.
* Support for all other AWS products such as VPC, EC2, S3, RDS, IAM and Route53 (DNS).
* Launching and configuring of Amazon EC2 (AWS) Cloud Servers using AMI's (Linux/Ubuntu) and configuring the servers according to client requirement.
* Worked application servers like Tomcat to deploy code.

**TECHNICAL SKILLS: -**

|  |  |
| --- | --- |
| **Configuration Management Tools** | Ansible |
| **Continuous Integration Tools** | Jenkins |
| **Operating Systems** | Windows, Linux |
| **Atlassian Tools** | JIRA, Confluence. |
| **Team Collaboration Software** | Slack,Microsoft Teams |
| **Artifactory Repositories** | JFrog Artifactory |
| **Build Tools** | Maven |
| **Cloud Services** | Amazon Web Services |
| **Version Control/Repository** | Git |
| **Application Servers** | Tomcat |
| **Containerization** | Docker |
| **Databases** | MS SQL Server |
| **Server and Service Monitoring** | Nagios , New Relic. |

**Educational Profile: -**

Completed Bachelor of Technology (ECE)xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx.

**PROFESSIONAL EXPERIENCE: -**

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**PROJECTS #3**

**Client: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXx**

**Role:** AWS Engineer

**Description**: -XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

**Roles and Responsibilities:**

* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and Configuring launched instances with respect to specific applications.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
* Configuring and Networking of Virtual Private Cloud (VPC). Written Ansible scripts to automate EC2 instances.
* Upgrading the Instance server type in case of demanding more/less resources (CPU/Memory).
* Creating VPC, Subnets, Route Tables, Internet Gateways etc .. For New environment
* Implemented AWS EC2, IAM, S3, SNS, RDS, VPC,SES,Route53,EFS,Cloudwatch and services.
* Creating new EBS Volumes, Modifying existing Volume Sizes in EC2 Console and copying the volumes from region to another region if requested.
* Migration Data from one EC2 Instance to another instance.
* Creating EFS and mounting it in multiple instances.
* Creating RDS Instances as per our team requirement and taking snapshots and restoring from snapshots.
* Enabling Multi-AZ , Read replicas as per demand.
* Creating user accounts for the Dev/QA team using AWS IAM and Implemented Disaster recovery in AWS infrastructure.
* Creating S3 Buckets and granting requested permissions through IAM.
* Creating roles to access one AWS service with other.
* Created alarms and Custom Dashboards for EC2 instances using Cloud Watch.
* Enabling Cloud Trail and analyzing logs in case of any event occurred.
* Creating Route 53 records to map with public domain and using routing policies if necessary.

**PROJECTS #2**

**Client: XXXXXXXXXXXXXXXXXx**

**Role:** AWS/Devops Engineer.

**Description:XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX**.

**Roles and Responsibilities:**

* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and Configuring launched instances with respect to specific applications.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
* Configuring and Networking of Virtual Private Cloud (VPC). Written Ansible scripts to automate EC2 instances.
* Implemented AWS EC2, IAM, S3, Elastic Load balancer (ELB), and Auto scaling groups and services.
* Creating user accounts for the Dev/QA team using AWS IAM and Implemented Disaster recovery in AWS infrastructure.
* Created alarms and Custom Dashboards for EC2 instances using Cloud Watch.
* Involved working with code repositories like GIT, GitHub.
* Create branches and participating in merging and Integrated Jenkins through GitHub Authentication.
* Implemented continuous integration build systems (Jenkins)
* Setting up CI/CD build infrastructure for building app/projects and Hands-on installing required Jenkins plug-ins.
* Developing build and deployment pipelines using Jenkins, and Experienced to create War files using Maven.
* Responsible for creating the Jenkins pipelines for Automation job creation.
* Hands-on in writing the Docker files for building images. Containerizing applications with Docker.
* Configuring the Docker containers and creating Docker Compose for different environments.
* Creating custom images and using Docker File.
* Experience in configuring New Relic monitor tool performance on all nodes and Creating alerts for Application performance, Response time and Server Health parameters like CPU Load, Hard disk and Memory Usage.

**Project #1**

**Client: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXx**

**Role:** AWS/Devops Engineer.

**Description:**XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXxx.

**Roles and Responsibilities:**

* Worked in atmosphere of cross-functional team within the organization’s Agile project life-cycle.
* Worked with architects, developers, QA and cloud development team to implement cloud applications, systems, and automated processes.
* Worked with Ticketing tool like JIRA.
* Used Git as source code management tool: creating local repo, cloning the repo, adding, committing, pushing the changes in the local repo, saving changes for later (Stash), recovering files, branching, creating tags, viewing logs etc.
* Involved in installing Jenkins and created Master and Slave configuration to implement multiple parallel builds.
* Create WAR files by using MAVEN.
* Used Jenkins as continuous integration tool: creating new jobs, managing required plugins, configuring the jobs selecting required source code management tool, build trigger, build system and post build actions, scheduled automatic builds, notifying the build reports etc.
* Performing Manual and Automation Builds using Maven and Jenkins.
* Configured Build Triggers by using Poll SCM & Build Periodically.
* Creating Docker images and create Docker containers.
* Involving in setup Docker environment.
* Experience in run Docker container.
* Automated the deployment of artifacts to various environments DEV, QA, UAT using Ansible Playbooks.
* Worked with monitoring and management tools like Nagios.
* Interacting with developers to sort out issues related to Build Automation.

**Place:**

**Date: (K. Raghu)**