Hari Krishna

🕿: +91-8277765816

🖂: [Harikrishna.u27@gmail.com](mailto:Harikrishna.u27@gmail.com)

Career Objective

Interested in long term opportunities providing responsibilities to architect, implement the DEVOPS activity's in AWS Cloud Computing environment and supporting AWS cloud in enterprise level.

PROFESSIONAL SNAPSHOT

Having **6.7years** of experience, Skilled at operating wide range of platforms as a Linux Administrator, AWS Cloud and Devops Engineer in automating, configuring and deploying instances

* Hands on Experience in Amazon AWS Cloud Administration includes services like: **EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, Security Groups**.
* Created AMI images of the critical EC2 instance as backup using AWS CLI and GUI.
* Installing and configuring applications on AWS EC2 Instances.
* Excelled on creating AMI (AWS Machine Images) that utilizes ELB and Auto Scaling.
* Providing assistance on setting the AWS environment and also providing support on adding ports to security groups and NACLs to VPC.
* Strong Experience in Amazon EC2 setting up instances, VPCs, and security groups.
* Setting up databases in AWS using RDS, storage using S3 buckets and configuring instance backups to S3 bucket.
* Used the AWS-CLI to suspend an AWS Lambda function. Used AWS CLI to automate backups of S3 buckets, EBS.
* Setup/Managing Database on Amazon RDS. Monitoring servers through Amazon Cloud watch, SNS.
* Creating/Managing AMIs, Snapshots and Volumes Upgrade Downgrade AWS resources (CPU, Memory, EBS)
* Creating IAM Users and Groups and Marinating the users Access management and Permissions.
* Launching static website using EC2 instance or ELB and S3 Bucket.
* Installed and Setup Web Servers ( Apache and Tomcat )
* Configuring topics for email and SMS in AWS Simple Notification Services (SNS).
* Ability to build deployment and automated solutions using scripting languages such as Shell scripting
* , Python.
* Experience in administering Linux and Installation, Configuration, Backup, Recovery, Maintenance, Support.
* Strong ability to troubleshoot any issues generated while building, deploying and in production support.
* Strong knowledge on ticket management using JIRA.
* Extensive experience using MAVEN as build tools for the building of deployable artefacts (jar, war & ear) from source code.
* Troubleshoot the build issue during the Jenkins build process.
* Experience in design micro services deployment using Docker.
* Version control and source code management using the GitHub.
* Experienced in Installing, Upgrading, Configuring and Administrating Red Hat Linux
* Provided 24x7 production support and development environments. Ability to communicate requirements effectively to team members and manage applications.

TECHNICAL SKILLS

**Operating Systems**: Linux (Red Hat 4/5/6, Ubuntu, Centos)

**Cloud Technologies**: Amazon web Services and AWS CLI

**Scripting Languages**: Python, Shell scripting

**Version Control Tool**: GIT, GIT Hub.

**Continuous Integration Tools** : Jenkins

**Configuration Management**: Ansible

**Monitoring Tool**: Cloud Watch, Cloud trail

**Web Server**: Apache HTTP Server, Tomcat

**Container Orchestration :** Docker, Kubernetes

**Infrastructure Provisioning :**Terraform

**Log tool :** Splunk

PROFESSIONAL EXPERIENCE

* **DevOps Engineer** at **Altran** in Bangalore from **Mar 2018 to March 2020**

**Responsibilities:**

* Write Effective, testable, scalable Python code
* Created private cloud using Kubernetes that supports DEV, TEST, and PROD environments.
* Implemented a production ready, load balanced, highly available, **faulttolerantKubernetes**infrastructure.
* Develop back-end componets to improve responsiveness and overall performance.
* Managed **Kubernetes**charts using Helm. Created reproducible builds of the **Kubernetes**applications, managed Kubernetes manifest files and managed releases of Helm packages.
* Trained staff on **Kubernetes**administration.
* Managed local deployments in Kubernetes, creating local cluster and deploying application containers.
* Integrate user facing elements into applications.
* Test and debug Python program
* Improve security and date protection solutions.
* Improve functionality of existing systems.
* Access and prioritize features requests.
* Co-ordinate with internal terms to understand user requirements and provide technical solutions
* Experience on Jenkins for CI/CD pipeline build and deployment.
* Experience on Ansible ad-hoc commands and play-books for configuration management.
* Written Python and Shell Scripts for automating logs backup and archiving.
* Automated the front-ends platform into highly scalable, consistent, repeatable infrastructure using high degree of automation using Ansible, Jenkins, and cloud Formation
* Experience in Terraform orchestration management service.
* Created Shell scripts and cron jobs that maintain server health-checks and auto-healing scripts.
* Experience in python boto3 script to for automating the AWS service.
* Experience on python scripting for working over Lambda functions.
* Knowledge on Kubernetes for cluster orchestration deployment and management.
* Experience in configuring Jenkins to perform continuous integration (CI) and continuous deployment (CD), Setting up build jobs and scheduled builds and email alerts regarding builds using Jenkins.
* Documented daily meetings, build reports, release notes and many other day-to-day documentation and status reports.
* **AWS DevOps Engineer** at **TCS** in Bangalore from **Dec 2015 to Mar 2018**

**Responsibilities:**

* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu/RHEL) and Configuring launched instances with respect to specific applications.
* Involved in migrating physical Linux/Windows servers to cloud (AWS) and test it.
* Designed an Architectural Diagram for different applications before migrating into amazon cloud for flexible, cost-effective, reliable, scalable, high-performance and secured
* Worked in different software development life cycles using the methodologies like water fall, agile etc. and have great experience with the tools like GITHUB, Jenkins, JIRA, Subversion (SVN) etc.
* Created Virtual Private Network, subnets, route tables and security groups to control inbound and outbound traffic.
* Build servers using AWS: Importing volumes, launching EC2, RDS, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection.
* Manage security groups to allow ports/protocols for an IP and CIDR.
* Established ELBs in Virtual Private cloud for better fault tolerance.
* Automating backups by shell for Linux to transfer data in S3 bucket
* Creating alarms in Cloud watch for monitoring server’s performance, CPU Utilization, disk usage etc.
* Maintaining the user accounts (IAM), RDS, Route 53, SES and SNS services in AWS cloud.
* Creating a change requests, work orders and problem tickets using JIRA tool and getting approvals from higher officials.
* Written Python and Shell Scripts for automating logs backup and archiving.
* Automated the front-ends platform into highly scalable, consistent, repeatable infrastructure using high degree of automation using Ansible, Jenkins, and cloud Formation.
* Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using GIT source control.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant and Maven to schedule the builds and automated the deployment on the application servers using the “code deploy” plugin for Jenkins.
* Continuous Delivery is being enabled through Deployment into several environments of Test, QA, Stress and Production using Jenkins.
* Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
* Implement, maintain and support reliable, timely and reproducible builds for project teams
* Managed and monitored the server and network infrastructure.
* Provided end-user training for all GitHub users to effectively use the tool.
* Provide responsive off-hours support in a 24/7 environment and ensure maximum availability of all servers and applications.
* **AWS cloud** and **Linux Administrator** at **Techmahindra** in Bangalore from Jun-2013 to Nov-2015

**Responsibilities:**

Set up and configuring of Linux (red hat & Ubuntu) and Solaris servers/workstations for clients.

* Installation, Configuration and Administration of various versions of Red hat Linux/Windows systems.
* Creating users and Group providing them with suitable permissions. Managed Users and Groups, File/Directory Permissions under Linux.
* Installing/updating of software packages using YUM and RPM. Experience in Using YUM Repository.
* Handling the scheduling tasks (Cron jobs and task scheduler) for the scripts for various purposes. Setting up of Crontab jobs for scheduling few tasks.
* Backup and Recovery using Tools like Tar and Gzip.
* Troubleshoot all the issues related to Linux OS and provide support for all DEV and QA environments
* Volume management and Creating EBS volumes and assignment. For storage managing EBS and S3.
* Installation and setup of volume management for data backup and storage. Additionally using logical volume management (LVM) on Linux platforms
* Performed routine management of Linux environment like monitoring Disk Space and CPU Utilization.
* Created and modified users and groups with SUDO permission.
* Building customized Amazon Machine Images, taking snapshot on monthly basis for backup purpose.
* Configure the Simple Storage Service (S3) and creating Buckets using S3.
* Created AMI images of the critical EC2 instance as backup using AWS CLI and GUI.
* Created Amazon EC2 setting up instances, VPCs, and security groups.
* On-call support for 24/7 for troubleshooting production issues.

EDUCATIONAL SUMMARY

* **Bachelor of Technology BBM**  from **Gulbarga University and**

**2011 Passed Out**