**Satish Kumar G**

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**DevOps Engineer**

**PROFILE SUMMARY**

Having 2+ years of experience in **DevOps Engineer, AWS cloud computing** operations as a at 24x7 support environment, and automation expertise to engineer and deliver best-fit products catering to client requirements and to main sustainable environments in the cloud computing space.

**PROFFESIONALEXPERIENCE**

* Working for **Tech Mahindra** as Devops Engineer from June 2020 to till date.

**JOB RESPONSIBILITIES**

* Good experience in AWS with provisioning & resource management and setting up Enterprise infrastructure on Amazon Web Services (AWS).
* Experience in configure AWS services like **VPC, EC2, Auto scaling, AMI, EBS, ELB, IAM, CloudWatch, RDS and S3.**
* Experience of configuring highly available, secure and robust **VPC** in AWS. Configured security groups, Network Access Control Lit, Routing Tables.
* Using volumes to provide persistence storage to containers. Worked on scaling our apps using metrics.
* Experience of configuring **Auto-scaling, Load Balancers** to handle the load on servers.
* Cloud Watch for monitoring server metrics, creating alarms & integrating with auto scaling in AWS.
* Took ownership of the task to be delivered and working extra hours if required to ensure that delivery is not impacted.
* Ability to learn and master new technologies and to deliver outputs in short deadlines.
* Experience on working with**GIT** and **GitHub** - Created Repositories, branches and providing access permissions to the developers over branches.
* Extensively worked on **Jenkins** for CI/CD and for End to End automation for all build and deployments using pipeline scripts and freestyle jobs.
* Monitoring daily builds and Verifying logs if build fails in Jenkins. Creating WAR Files Using the build tool **Maven**.
* Deploying and Automated deployment of artifacts to various environments like DEV, QA, and UAT/STAGING through freestyle and pipeline script.
* Verify Deployment logs to check for successful deployments.
* Expertise in building automated CI/CD pipeline with the help of **Jenkins**.
* Configured Jenkins nodes to build jobs & distributing the load of Jenkins server and

achieved parallel builds using **master-slave** configuration.

* Good experience in writing **Terraform** template files and modules to create, update, version and provisioning the **AWS** infrastructure.
* Good experience in writing **Ansible** Playbooks and deploying applications and provisioning Cloud services.
* Good Experience in containerization tool **Docker** and Configuring the customized Docker containers and creating docker files for different environments.
* Good Experience in container orchestration tool **Kubernetes**. I am able to run stateless and stateful applications on k8s cluster, using health-checks, configmaps, secrets, placement strategies using Node or pod.

**TECHNICALSKILLS**

Technically astute, keeps abreast of the technology trends to deliver innovative and flexible solutions to meet changing business/customer needs in the ever-evolving IT industry. Key skills include.

Cloud : AWS

DevOps tools : Git, Jenkins, Maven, Ansible, Docker, Kubernetes(K8s),

Terraform.

Languages : Shell scripting, JSON, YAML

Application/Web Servers : Apache Tomcat,

Operating System : RHEL, Ubuntu, Centos.

Virtualization : Docker

Orchestration : kubernetes.

**Project#2**: Health Insurance Innovations, Inc. (HIIQ)

Role: **DevOps engineer**  
Environment: AWS cloud, RHEL, Jenkins, Maven, Docker, Ansible, Terraform, Tomcat, Kubernetes.  
Duration: June 2020 to till date

**Description**Health Insurance Innovations, Inc. (HIIQ), is a market leading cloud-based technology platform and distributor of innovative health insurance products that are affordable and meet the consumer's needs. We assist in the development of insurance products through our relationships with best-in-class insurance companies and we provide access to these products through a broad distribution network of third-party licensed insurance agents across the nation, our call center network and our unique online capabilities.

**Responsibilities**

* Implemented AWS solutions using VPC, EC2, S3, RDS, IAM, Elastic Load Balancer, Auto-scaling, Security groups and cloud watch, Lambda.
* Creating various alarms in AWS to have continuous monitoring of resources and billing in AWS.
* Designed high availability environment for Application servers and database servers on EC2 by using ELB and Auto-scaling.
* Installing, configuring and administering **Jenkins** CICD tool. Creating CI/CD pipelines by integrating Git, GitHub, Jenkins, Ansible.
* Hands on experience in provisioning, orchestration, packages, services, configuration and deployment using Ansible.
* Extensively Worked on Ansible and written playbooks for automation change configuration, provisioning, application deployments, services and packages on On-site servers.
* Managed servers on the AWS platform instances using **Terraform.**
* Using docker, I have written the customized **Dockerfile** for my application and building the docker images and storing it in Docker Hub registry then running the containers from that docker image whenever requirements needed.
* Creating a docker network and connecting docker containers to that particular network interface, creating the docker volumes and attaching containers to that volumes and backing up the Logs.
* Implemented Jenkins pipeline for deploying my customized **Docker** containers into the **Kubernetes** cluster.
* Experience on file system and disk management.
* Scheduling/Controlling of jobs using Cron.
* Performing Mount and unmount operations on file systems.

**Educational Qualification**

* **BTech** from IIST, affiliated to IIST University.

**PERSONAL DETAILS**

Marital status : Single

Languages Known : English, Hindi, Telugu.