Balahariharan G.  

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**WORK EXPERIENCE:** 8+ Years

### **Career Objective:**

To use my technical competencies, team spirit in a challenging environment and work for the prosperity of the company, society, and self. To sharpen my skills and upgrade my knowledge while contributing to the overall growth and corporate goals of the employer. Planning and leadership could be a part of specialization.

### **Technical Skills**

**Operating Systems :** Linux (CentOS, RedHat 5, 6 and 7, Ubuntu) and windows flavors

**Products/Tools :** Cloud Health and UpGuard.

**Cloud** **:** AWS, Azure

**Cloud Health :** Manage cost reports for various clouds like AWS, Azure, and GC. Calculate Rightsizing, Optimization and Utilization.

**Repository :** Git – ECR – Azure Repo

**DevOps Tools :** BitBucket **–** Jenkins – SonarQube - Argo CD - Docker.

**Monitoring Tools :** Nagios, Prometheus, Zabbix & Grafana.

### **Certifications:**

* AWS Solution Architect – Professional
* AWS Certified DevOps Engineer – Professional
* Azure administrator Certified – Associate

### **Professional Experience**

Company : **Innova Solutions, Chennai** Company : **Market Simplified, Chennai**

Duration : **Jan 2018 – Current** Duration : **June 2016 – Jan 2018**

Designation : **DevOps Engineer** Designation: **System Engineer**

* Leading the Shared Services Cloud team, responsible for the planning, implementation, and growth of the AWS cloud infrastructure across multiple North American customers.
* Enabled monitoring for AWS resources through CloudWatch monitoring, DevOps Guru and Lambda function.
* Implemented automated backups for all the primary resources.
* Experience in Cloud Cost Optimization on AWS and Azure. Analyze and Implement cost savings through Right Sizing, RIs, unattached EBS Volumes, clearing old snapshot.
* Experienced in Production Deployments.

#### **Key Roles &responsibilities:**

**DevOps Engineer [ Jan 2018 – Current] – Health care and E-commerce Projects**

**Cloud:**

* Involves in Accelerators projects to create new environment or modify the existing environment by using Infrastructure as a code (**Terraform**) to the multiple cloud providers.
* Experienced with AWS customized landing zone via terraform by importing the enrolled accounts,
* Handling AWS services like EC2, IAM, S3, VPC, Cloud watch, S3 bucket, Route 53, EBS, SNS, CloudTrail, Trsuted advisory, identify center, AWS Organization and plenty more services provided by AWS.
* Automated Snapshot has been enabled for EC2 by using life cycle manager.
* Automated backup for RDS and exports to S3
* Automated s3 lifecycle rules which transfer the objects from (Standard – IA – Glacier Instant – Glacier deep archive.
* Enabled lambda scripts to monitor the production sites.
* Enabled lambda function to restart the ECS service as per the daily task and implemented Event Bridge.
* Created customized script to find the 3xx & 5xx error in application end by using YAML language.
* Created customized Force MFA policy and set up the passport rotation policy for every 90 days.
* Enabled monitoring of AWS instances through CloudWatch monitoring, created Alerts and Alarms. Created script based alert triggers for defined thresholds.
* Having good hands-on experience of cloning the instance.
* Having great troubleshooting skills on ECS fargate.
* Experience in Classic and Application load balancer configuration.
* Worked on Creation of Auto scaling and configuring auto scaling group.
* Knowledge on migrating the entire application from one region to another region by using Cloud Endure.
* Managing Security group depending on the access parameters provided.
* Scheduling the Cron job for automated log backups

**DevOps:**

* Experienced with writing the Multistage Docker file by setting up Distroless images, Configuration of Container backups by enabling Bind & Volume mount, use different network strategies for the security purpose on the containers, using SYNC to monitor and scan the containers for vulnerability checks and enabled container insights for ECS fargate serverless containers.
* Good with writing down the Scripted Groovy Language Jenkins file with plenty of stages and agents. Having in-depth setting up CICD with Bitbucket - Jenkins - SonarQube - ArgoCD - Containers.
* Having Good experience with Ansible configuration as well to install the multiple packages on the nodes by writing the playbook.
* Having knowledge of CI/CD pipelines using AWS code pipeline.

**Servers**:

* Experience in Logical Volume Manager in Linux, by growing the disk & shrinking the disk space according to the requirement.
* User Administration – Create, Manage, Delete Users and allocating privileges in Legacy and cloud environment.
* Good knowledge on NFS share.
* Experience in HA Proxy Configuration.
* Configuration and management of DNS.
* Setting up work environments, Installation, and configuration of application.
* Troubleshooting day to day Cloud and dedicated server infrastructure issue.
* Having knowledge of CI/CD pipelines using AWS code pipeline.
* Creating and managing containers using Dockers.
* Automated configuration management using Ansible.
* Having knowledge on continuous Integration tool such as Jenkins.
* Worked on Git hub Private Repo.
* Worked on Configuration of monitoring tools like Nagios.
* Performing Weekly maintenance for application-based servers.
* Used to take regular sessions to the freshers and manages the all-knowledge transfer prat to the newcomers.
* Very much interactive with the clients/ offshore team.
* Manages L1, L2 -engineering team as well.

### **Personal Details**

**Date of Birth :** 28-Nov-1994

**Nationality** : Indian

**Gender** : Male

**Marital Status** : Single

**Languages Known** : English, Tamil.