**Saravana Kumar M**

Phone: +91-9600005119 (India)

### Email: [msaranmca05@gmail.com](mailto:msaranmca05@gmail.com)

**Career Objective:**

To pursue a highly challenging career, where I can apply my knowledge, acquire new skills and contribute effectively to the growth of the organization.

**Current Organization:**

Verizon Data Service India Pvt Ltd, Chennai. (10 years experiance)

**Summary:**

* Total 10+ years of experience in Unix/Linux support & AWS & DevOps Engineering.
* 3 Years’ experience to lead the team as Tech Lead.
* System administration professional with various business domains.
* Good team player with excellent technical, communication, multi-tasking, leading and interpersonal skills.
* Quickly adapting to newer technologies.
* Work effectively under pressure and handle changing priorities to keep within deadline
* Good knowledge of Shell scripting.
* Experience in DevOps, AWS, Docker and Kubernetes
* SOE & SRE champion.

##### **Certifications:**

* ***AWS Certified Solution Architect - Associate***
* ***Red Hat Certified Engineer (RHCE)***
* ***Completed ITIL Certification v3***
* ***Certified SAFe 5 Practitioner (Scaled Agile)***
* ***Certified VLSS Green belt***

##### **Education Qualification:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the Course** | **Institution** | **Year of Passing** | **Percentage of Marks** |
| MCA | Alagappa University, Karaikudi | 2007 | 76% |
| BSC | American College, Madurai | 2004 | 67% |
| HSC | O.V.C Hr.Sec School, Manamadurai | 2001 | 74% |
| SSLC | O.V.C Hr.Sec School, Manamadurai | 1999 | 88% |

**DevOps Skills:**

* Jenkins: Installation and Configuration, Creating Application Builds, Testing and Continuous Integration, Finding and Managing Plugins and Building Continuous Delivery Pipelines
* App migration to containers
* Jenkins Docker CI/CD using Groovy script
* Production Container Deployments
* Deploy with Docker machine
* Ansible: Building the Ansible Environment, Installing Ansible, Modules, Playbooks, and Roles. Completing the Ansible Configuration and Managing Servers with Ansible Tower
* Developed ansible playbook for all manual deployment process for weblogic application servers
* Developed ansible playbook for application micro services deployment.
* Configured Jenkins to use masked username and password to run Ansible playbook.
* Created shell scripts for help in automating tasks and ease of operations.

**AWS Skills:**

* Requirement analysis to find feasibility to migrate On-prem apps into AWS Cloud in terms of Cost, Security and availability.
* Use AWS CloudFormation to create a pipeline
* Continuous integration server setup using Jenkins Pipeline
* Continuous deployment using ansible scripts.
* Building a delivery pipeline using Jenkins Tools
* Creating and Designing highly secured Virtual Private Cloud (VPC).
* Experience with CI/CD Tools such as Jenkins, Stash and orchestration tools such as Ansible, and AWS native config management tool (OpsWorks).
* Experience in Cost analysis and tuning cloud infrastructure in terms of size, cost and design Back Up and Disaster Recovery architecture.

**Docker & Kubernetes Skills:**

* Proficient with container systems like Docker and container orchestration like EC2 Container Service, Kubernetes
* Managed Docker orchestration and Docker containerization using Kubernetes.
* Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
* GSLB setup for Availability and faster user experience
* Configmap & Secret creation and automation for Micro service application.
* Organizing objects with in Cluster using Namespace
* E2E pipeline creation for creating service pod using groovy script.

(Docker build -> Push image to Artifactory -> QG1 (Sonar, Fortify, Twistlock) -> Docker Deploy -> QG2 (Smoke test, Regression, progression and function test cases)

* Automated rollout strategy to go back previous Docker images

**Linux Skills**

* Installation and Configuration of Linux Installation
* Users and Groups Management along Quota Setting.
* File systems and Monitoring File system Usage.
* Installing and Managing Packages using Repository servers
* Backup & Restoration using tar by automated scheduling using cron or at utility.
* Managing Users and Group accounts.
* Working knowledge in services like Telnet, FTP, SCP, SSH.
* Configuring NFS server for client file sharing
* Managing Swap Memory as per the requirement

**Leadership Quality:**

* Managed 14 members Techops team without manager for 2 years
* Good Decision making capabilities
* Successfully organized seminars, meetings, team-building activities, and collaborations with other vendor partner.
* Build bridge between onshore & offshore management and employees.
* Emphasized Tectalk & Brownback seasons culture within a team.
* Motivating and inspiring everyone to do their best work and reorganized on time.

**Technical Summary:**

* **Automation Tools:** Jenkins, Ansible**.**
* **Containers:** Docker & Kubernetes
* **Cloud Platforms:** AWS, Pivotal Cloud Foundry (PCF).
* **Web Servers:** JBOSS, Apache, WebLogic (8/9/10).
* **Scripting/Languages:** Bash/Shell Scripting, YAML
* **Application Servers:** Web Logic Application server 9.x, 10.x, Red Hat JBoss 4.22
* **Monitoring Tools:** New Relic, Grafana & Promethus
* **Logging tool:** Splunk, Kibana and Logstash
* **Operating system:** Linux (Red Hat 4/5/6/7, CENTOS & SUSE), Solaris 11/10/9/8.
* **Web Technology:** HTML & php
* **Version Control:** Gitlab
* **Ticking tool:** Jira, Service now

**Professional Experience:**

**Company Profile:**

Organization : **Verizon Data Services India Pvt Ltd**

Project : **Production Support** (July 2009 to June 2016),

**Techops Support** (June 2016 to Till now)

Designation : **Software Engineer** – 2010 to 2011

**Analyst** - 2011 to 2014

**Specialist- Production Support** – 2014 to 2017

**Tech Lead** – 2017 to still date

**Project: Techops Team**

**Job Responsibilities:**

**Duration: Jan 2018 to till date**

* Application support from India
* CI/CD Devsecops configuration and support
* Cloud Migration and AMI Rehydration
* Application Modernization (Infra side support like Cloud, Docker and k8s configuration)
* SOE standardization (**S**tandard **O**peration **E**nvironment)
* Fix Security related issues.
* Explore new tools in the market for monitoring and logging
* Upgrade middleware packages
* SRE Monitoring and onboard

**Project:** Application Modernization

**Application Name: Echo**

**Job Responsibilities:**

* Serverless architecture. Application divided into 12 Micro services
* Deployment, replica, service and ingress configuration for application
* Multi-Zone deployment for Kubernetes cluster
* Helm & Chart management
* GSLB setup
* **Pipeline** **as Code** - Worked on deployment automation of all the micro services to pull image from the private docker registry and deploy to docker swarm cluster using Groovy script
* Worked on infrastructure with Docker containerization and maintained Docker Images and containers
* Monitors and alert policy created in Newrelic for Kubernetes plugin.
* Splunk tool enabled for log monitoring
* Configmap/Secret automation

**Project:** AWS & DevOps Engineer

**Application Name:** HNM

**Job Responsibilities:**

* Provided Migration plan and strategy for cloud, and strategy to migrate infrastructure and data from On-prem data center/VM to AWS Cloud
* Migrating the applications into AWS cloud.
* Designed AWS **Cloud Formation**templates to create custom sized **VPC**, Subnets.
* Installing and configuring Amazon AWS EC2 machines
* Used Ansible to manage Web applications, Environments configuration Files, Users, Mount points and Packages.
* Configured AWS **Identity and Access Management (IAM)**Groups and Users for improved login authentication.
* Implementing Continuous Integration and Continuous Delivery.
* Setting Up and Executing Builds
* Integrating Defect tracking tool **JIRA**with Confluence and Jenkins CI server for identifying, logging and, tracking and documenting defects/issues in real-time.
* Building the Pipeline
* Deploying Infrastructure Code Changes in a CI/CD Pipeline
* Pipeline Integration with Jenkins
* Blue/Green Deployment for the PCF micro services using Jenkins automation
* Updating Your Amazon EC2 Linux Instances Regularly
* Migrating weblogic servers into AWS and fixing the issues while bringing up the weblogic.
* Migrating Iplanet webserver to jboss webserver.
* Installation and configuration of JBoss, weblogic Application Server on Solaris and Linux boxes.
* Managed environments DEV, SIT, QA, UAT and PROD for various releases and designed instance strategies.
* Experience on **Pivotal Cloud Foundry (PCF).**
* Maintaining micro-services and deployment using Jenkins automation.
* Worked on the port scan vulnerabilities where we have to upgrade the weblogic patch on the impacted servers.
* Working on the automation where ever manual work needed.
* Handling the crisis bridge effectively and resolve the issue to reduce the MTTR timings.
* Taking Brown bag sessions to the whole organizations about the particular topics.

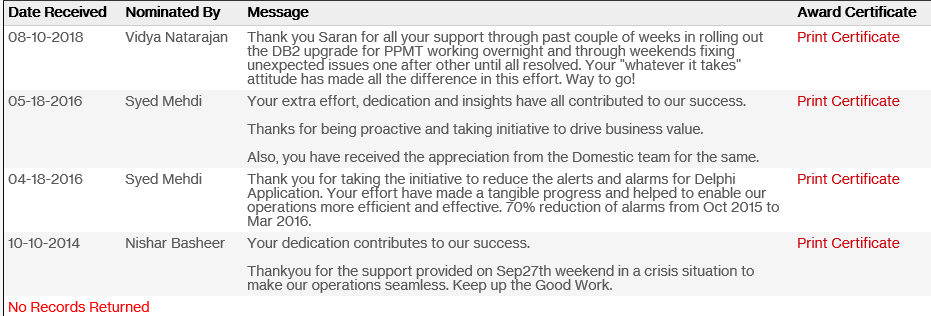
**Project:** Production Support & DevOps Engineer (July 2010 to June 2016)

**Job Responsibilities:**

* System efficiency and Performance monitoring, Disk and Network usage.
* Maintaining file systems: Checking and repairing file systems and monitoring file system usage.
* Administering user accounts.
* Installing package and patches.
* Deploying the Applications in Clustered Environments.
* Troubleshooting the issues which we are getting in the production and resolving it as per the SLA.
* Configuring and troubleshooting different servers as DNS, VSFTP and NFS.
* Configuring and troubleshooting web servers (httpd)
* Performing Weblogic Server hanging and Crash issues.
* Performing various types of Incidents raised by IT Support Team.
* Doing health check three times in a day and will send the status to the higher management.
* Monitoring the alerts via IPM monitor tool and will take immediate action to resolve the issue ASAP.
* Working on change activities daily and will involve deployment & releases during weekend changes.
* Working on customer IR's and other CMIS IR's effectively and resolve the issue as soon as possible.
* Worked on automation side, which make the BAU works with automate to reduce the manual intervention with the trigger and maintenance script concept in the IPM.
* Handling the crisis bridge effectively and resolve the issue to reduce the MTTR timings.
* Focus on handling high priority escalation issues.
* Analyzing the root cause of outages on systems.
* Analyzing performance issues and load issues on servers.
* Assisting in basic troubleshooting of OS level issues like unexpected reboot, system down, user login problems.
* Providing support for Mission critical, Business critical and Business Operational Applications. Making sure of Application availability at the maximum %
* Weblogic/WebSphere Administration in installation, configuration, Troubleshooting, Performance.
* Administrating of Swap space.
* Worked with the ITIL process like change management, capacity management, problem management, Incident management.
* Involved in Verizon Lean Six Sigma (VLSS) for crisis reduction.

**Awards:**

* Best Employee award on 7/20/2020
* Spot light award (6/20/2019, 07/24/2018, 02/27/2017, 12/15/2016, 04/01/2016, 10/15/2015, 11/11/2014)
* Hackathan winner for strategy tool automation on 07/10/2018

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**Hobbies:** Cricket, Basketball, Chees, Reading books and playing mobile games.

**Part of Verizon Corporate cricket team & leading as Caption**

**Part of Verizon Corporate Basketball team**

**Personal Information**

Father’s Name : R. Muthu Krishnan

Date of Birth : 16-03-1984

Gender : Male

Marital Status : Married

Nationality : Indian

Linguistic Abilities : Tamil & English (Read, Write & Speak in fluency)

Strengths : Adaptable, Hard Work, self-confidence, Ready to lead

Good team work ability and communication skill

I hereby declare that all the details furnished above are true to the best of my knowledge. I assure that I will perform my duties to best of my ability if I get employed in your esteemed organization.

**(M. Saravana Kumar)**