Rakesh Nagarajan

Devops Engineer|Cloud|DBA

Location

12/314-2 Perumal Koil Street,
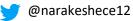Madukkarai Market,
Coimbatore-641105,
TamilNadu,
India

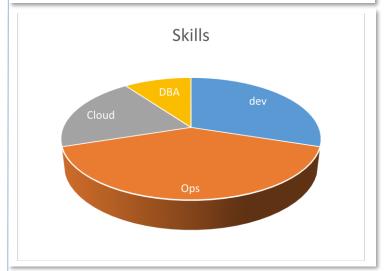narakeshece12@gmail.com

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Career Objective

To implement innovative ideas in an efficient way and to reduce manual effort

About Me

Currently working in **Robert Bosch** as a Devops Engineer with nearly **5 years** of total experience in IT. I am a team player with team managing capability and have good debugging skills. Having interest in learning hot technology in short span of time. Sharing knowledge to the team with proper documentation. Providing on the go solution to the customers. Follow sprint properly on-time and providing on-time product delivery. Adhere to all security norms of organization. Also I am interested in hosting training sessions and tech-talks inside team.

Skills

Pie chart: dev, Ops, Cloud, DBA

Recent Awards

- ♣ Spot award for creating an internal application from the scratch
- ♣ Bronze award for Automating Jenkins version update for 250+ instance
- ♣ Travelled to Germany for short term

Personal info

Date of Birth : 03-Nov-1994
Nationality   : Indian
Language   : Tamil, English
Gender   : Male
Marital status : Single

Education

Completed Bachelor of Engineering [Electronics and communication engineering] from 2012 to 2016 with 79 %

Work Experience

Bahwancybertek

Role	:	DBA/Devops Engineer
Duration	:	June-2016 to May-2018
Clients	:	American Towers, Homeserve
Team size	:	4 [24*7]

Robert Bosch

Role	:	Devops Engineer/Azure Cloud
Duration	:	May-2018 to till date
Projects	:	JMaaS, XaaS, BIaaS
Team Size	:	5 [24*5]

Coming up next could be your organization ☺

Individual contribution

- ♣ Designed and developed a Self-service portal for project – **Saves 4 hours of manual work per day**
- ♣ Designed and developed an internal application with Django Rest API, VueJs and Kubernetes on premise for deploying any Docker application container (**XaaS - Anything as a Service**)
- ♣ Implemented efficient monitoring solution of servers and Docker logs using Grafana/promtail/loki – **saves debugging time**
- ♣ Configured centralized Nexus for DTR, APT and helm repository
- ♣ Automated Docker build with dynamic Dockerfile using Jenkins pipeline
- ♣ Automated oracle 12c Database installation using Ansible – **Saves 7 hours of manual work**
- ♣ Implememented health Check Automation for SQL server using PowerShell and CSS – **Reduced manual work 3 hours per day**
- ♣ Upgraded Kubernetes version from 1.17 to 1.18 to 1.19

	TECHNOLOGY/tools	VERSION	RATING
	Docker	20.10	★★★★☆
	Docker Swarm	Nil	★★★★☆
	Kubernetes	1.19	★★★☆☆
	Helm	3.4.2	★★★☆☆
	DTR	2.6.8	★★★☆☆
	Ansible	2.8	★★★★☆
	AWX - tower	15.0	★★★☆☆
	Microsoft Azure	Nil	★★★☆☆
	Openstack	Ussuri	★★★☆☆
	Oracle Database	11g,12c	★★★★☆
	SQL Server	2014,2012	★★★★☆
	Django REST API	3.1	★★★☆☆
	Python	3.9	★★★☆☆
	Git	2.16	★★★★☆
	Jenkins	2.263.1	★★★★☆
	SonarQube	7.9	★★★☆☆
	Splunk	7.2.0	★★★☆☆
	Grafana	6.7	★★★★☆
	Loki	2.0	★★★★☆
	Prometheus	2.23	★★★★☆
	Jira	7.10.0	★★★☆☆
	confluence	7.4	★★★☆☆
	Apache Traffic	6.2.1	★★★☆☆
	Traefik	1.7	★★☆☆☆
	NGINX ingress	3.10	★★☆☆☆
	Hyper-v	5.1	★★★★☆
	Nexus	3	★★★☆☆
	Bootstrap & CSS	4	★★☆☆☆
	Velero	1.4	★★★☆☆
	VueJS	2	★★★★☆
	Celery	5.0	★★★☆☆
	NFS	V4	★★★★☆
	Bitbucket	6.10	★★★☆☆
	SSL	Nil	★★★★☆
	MinIO	lts	★★★★☆
	Terraform	0.14.3	★☆☆☆☆
	CNTLM	0.92.3	★★★★☆

OS	FLAVOR	RATING
Linux	RHEL and centos 7/8	★★★★☆
	Alpine 3	★★☆☆☆
	Ubuntu 16.04/20.04	★★★★☆
Windows	WIN server 2008, 2012	★★★★☆
	WIN 7,8,10	★★★★☆

Scripting/coding

Dockerfile	★★★★☆
Docker compose	★★★★☆
Ansible-Playbooks	★★★★☆
SPL	★★★☆☆
LogQL	★★★☆☆
Jenkinsfile	★★★★☆
Kubernetes yaml file	★★★★☆
Helm charts	★★★☆☆
Python scripting	★★★☆☆
PowerShell	★★☆☆☆
Shell scripting	★★★☆☆

System administration

Linux administration	★★★★☆
Windows administration	★★★☆☆
Virtualization	★★★★☆
Containerization	★★★★☆
Container orchestration	★★★★☆
Firewall	★★★☆☆
Package manager	★★★★☆
Server logs analysis	★★★★☆
Server Monitoring	★★★★☆

Azure Cloud

VM	★★★☆☆
VM scale set	★★★☆☆
Monitoring	★★★☆☆
Alerts	★★★☆☆
storage account	★★★☆☆
App Service	★★★☆☆
Container service	★★★☆☆
DNS	★★★☆☆
Dev labs	★★★☆☆
Bastion	★★★☆☆
SQL server	★★★☆☆
CLI	★★★☆☆
Virtual networks	★★★☆☆
Security groups	★★★☆☆

DBA

Cloning	★★★★☆
Patching	★★★★☆
Backup/Recovery	★★★★☆
Upgrade	★★★★☆
High availability	★★★★☆
PL/SQL & T-SQL	★★★☆☆

Devops

- Experience configuring and maintaining kubernetes cluster and working with PV, PVC, secrets, services, statefulset, namespace, deployment, ingress and other **K8s components**
- Implemented Velero and minIO for Kubernetes **cluster backup**
- Continuous monitoring of the entire **400+ containers** and **100+ servers** using Splunk and Grafana loki
- Having experience in working with Docker swarm cluster of 80+ production servers
- Written custom **helm charts for 18 applications**
- Integrated Grafana API, Jenkins API , Splunk API with Django API
- Creating and maintaining Docker swarm, Docker volume/Network/Plugin
- Having real-time experience in configuring splunk forwarder/alerts/dashboards/SPL
- Creating and maintaining GIT/SOCO/TFS repository
- Having knowledge on LXC/LXD containers
- Configuring Jenkins slave and writing **pipeline jobs for CI/CD**

System administration

- Installation and configuration of operating systems (Windows/ RHEL/ CentOS/Ubuntu)
- Sharing/configuring mount points Between Windows-Linux
- yum repository configuration (Local, Satellite, remote)
- Pushing **Security patches** in linux server's
- Configuring NFS Storage/datastore for sharing the data
- Have real time experience in Network adaptors
- Having Knowledge on KVM and QEMU for IaaS
- Monitoring server health and logs using Grafana Loki
- Experience with V-center and handling **VMDK volume**
- Ansible play-books for server management and Managing the Cluster configuration
- Ansible playbook for identifying wrongly attached VMDK volumes.
- Automated yum configuration/RMP installation using Ansible – **Reduces 3 hours of manual work**

Cloud

- Deploying virtual machine and VM scale set with auto scale up and scale down based on resource
- Designing Network security groups to handle inbound and outbound access to network interface
- Creating resource group and virtual network along with subnet
- Working with storage accounts – Blobs, disks
- Experience in app service/container service and hosted web application public
- Experience in azure container registry
- Experience in tags, locks, security, logs, activity logs, monitoring and other components of service
- Working with cloud shell and Azure CLI
- Creating and working with bastion services
- Creating a new DNS for custom application
- Experience in handling Nova, Neutron, Zun, Glance, keystone, placement, Horizon services in **Openstack**

DBA

- Implementation and configuring the database in DBCA and also in silent mode
- Rebuilding and reorganizing indexes
- Adding datafiles in tablespace and maintaining it
- Using data pump importing and exporting the schemas
- Backup the database using **RMAN**
- Monitoring Redo log switch, Archive generation
- Monitoring locks, Long running queries
- Generating AWR/ASH report for validating the performance
- Aware of RAC concepts
- Implementation of SQL server instance
- Creation of Database based on the requirements
- Configured **log shipping, mirroring, Always-on** in SQL Server instances
- Maintaining zero downtime for all the **HA Databases**
- Gathering Stats for all the databases in weekends based on the DB usage

All the above given information were true. You can trust me ☺

Place   : Coimbatore

Date   :

Signature

(RAKESH N)