



# ATHIRA SUKUMARAN

## SERVER, CLOUD ENGINEER

Server, Cloud ,Network engineer cum trainer with 5+ years of experience in system and network administration, managing server infrastructure and operation across various platforms. Strong knowledge comfort within WINDOWS/LINUX servers, application servers, DNS servers, Windows active directory ,DHCP etc.Deep understanding of AWS components such as EC2,VPC,IAM,RDS etc.To achieve a remarkable position in my career where I could endeavor my service as an expert in resolving every task assigned to me efficiently and work towards to the development of my organization of an engineer.

## Contact

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## Education

- 2014  
**B.E**  
Anna University/pvp college of engg. and tech.
- 2010  
**Higher Secondary**  
kerala state board/g.h.s.s Thoprankudy

## TRAINING & CERTIFICATION

- HARDWARE**
- CCNA,CCNP**
- MCSA,MCSE**
- RHCSA,RHCE**
- AWS**
- AZURE**

## Language

- English
- Malayalam
- Tamil

## Experience

Feb 2023- present

### RM International Pvt.Ltd- (UK based)

#### System administrator,Hardware Engineer

- Installing or upgrading Windows systems and servers.
- Discussing system and server upgrades with IT managers.
- Troubleshooting system and server errors.
- Reviewing system error logs and user-reported errors.
- Monitoring system performance
- Providing training to users on how to use Office 365 effectively
- Addressing user requests for assistance with issues pertaining to their accounts, including password resets and help with downloading emails
- Creating reports about the usage of Office 365 and identifying potential areas for improvement based on the data collected
- Installing the SharePoint platform, integrating applications, and creating libraries.
- Adding users, controlling access to document libraries, and setting permissions.
- Performing maintenance of the SharePoint platform, servers, and intranet.
- Troubleshooting and resolving SharePoint issues or malfunctions.
- Install and configure software and hardware
- Manage VPN connectivity.
- Set up accounts and workstations
- Monitor performance and maintain systems according to requirements
- Troubleshoot issues and outages
- Upgrade systems with new releases and models
- Build an internal wiki with technical documentation, manuals and IT policies

Aug 2021-Feb 2023

### Tecacs IT grup pvt ltd

#### Network,Server,Cloud Engg. cum trainer

- Provided automation, scalability, and reliability testing for services and infrastructure components in AWS.
- Worked on implementing AWS using EC2, S3, RDS, ECS, Elastic Load Balancer, Auto Scaling groups.
- Secure, scale, and manage both Linux and Windows environments.
- Manage our continuous integration and delivery pipeline to maximize efficiency.
- Migrated the current Linux environment to AWS /RHEL Linux environment and used auto scaling feature and Involved in Remediation and patching of Unix/Linux Servers.
- Configured AWS IAM and Security Group in Public and Private Subnets in VPC.
- Provided automation, scalability, and reliability testing for services and infrastructure components in AWS.
- Designing, planning, installations & implementation of Routing & Switching Infrastructure.
- Installing and configuring Cisco Routers Switches. Designing and Troubleshooting WAN/LAN.

## TECHNICAL SKILLS

- Amazon Web Service
- EC2 Instance,Billing Alarm,IAM,MFA,Permission,AWS Storage(EBS,S3,EFS)
- Versioning,encryption,security group,apache,Elastic IP
- AWS VPC,Elastic load balancing,autoscaling
- AWS Relational Databases
- AWS System manager.
- aws codecommit,creating repo & connection,uploading code to repo.
- Branches and pull requestes.
- AWS lambda
- AWS CLI installation & configuration
- AZURE linux and windows vm deployment.
- azure virtual networks,IIS on windows,network security groups.
- azure storage types(FILE,BLOB,QUEUE,TABLE)
- AZURE SQL databases
- AZURE cosmos DB.
- AZURE WEB APPS,
- AZURE LOAD BALANCER.
- AZURE traffic manager.
- Problem-solving and troubleshooting skills CCNA,CCNP
- Protocols, Trouble shooting,Routing & Switching
- VPN , BGP ,OSPF ,EIGRP ,Wireless
- TCP/IP , CISCO SWITCHES : 2950,2960,3560,3750,3850
- CISCO IOS Routers: 2800, 2911, 3600 , 7200
- Microsoft windows server 2012,2012 R2,2016
- OU,GPO,user,group,policies,ADC,R ODC,CDC,WDS,IIS,ISCSI,FSMO,DFS ,WSUS,DHCP,DNS
- ADCS
- Redhat enterprise Linux 7,8,9
- Linux root hierarchy , shell, user,group ,cron job,permissions,SSH,fdisk,LVM,LDA P,MARIADB,SELINUX,password breaking,nmcli,nmtui.

- Troubleshooting of network connectivity problems with Cisco Routers & Switches.
- Monitoring log in Linux servers, including processes, crash and swap management, with password recovery and performance tuning.
- Responsible for managing infrastructure provisioning (S3, ELB, EC2, RDS, Route 53, IAM, security groups - CIDR's, VCP, NAT) and deployment via SCALR and EC2 Installs with CentOS, Ubuntu and RHEL 8,9 and Scientific Linux.
- Worked on Autoscaling, Cloudwatch(monitring), AWS Elastic Beanstalk(app deployments), Amazon S3(storage) and Amazon EBS(persistent disk storage).
- Deployed virtual machines to virtual networks using Azure.
- Designed, configured, and deployed Azure Resource Manager (ARM) templates for a multiple application utilizing the Azure stack including Compute, Web App, function app, Blobs, Data Factory, Resource Groups, HDInsight Clusters, Azure Cosmos DB
- Migrated servers like relational databases (SQL) and websites to Microsoft Azure cloud and deploying applications on multiple web servers and maintained load balancing, high availability, and synchronized on-premises Active Directory users.
- Set up, configure and trouble shoot TCP/IP, DHCP, Default Gateway DNS; FTP, Firewall SSH, IP Tables, UDP, Samba, NFS and CIFS, in a multiplatform LAN.
- Install and configure a Samba server on Solaris 10, RedHat Linux, and CentOS and mapping to the Windows server.
- Managing processes using the ps command, Local Disks and Devices (Installing, partitioning, formatting, and provision a disk in LINUX).
- Experience in vi System Hardening (Maintaining and monitoring systems, disable vulnerability services, restrict user access, setup a password aging policy).
- User and Security Management in Linux/UNIX (Change permission, create, modify, delete groups and user accounts in UNIX and Linux).
- Primary responsibilities include hands on development, standardization, and management of all client and server infrastructures, including software.
- Implement AZURE load balancer.
- Provisioning, operation and maintenance of Windows Clustering Services (2012 R2 & 2016)
- Operation and maintenance of Windows Servers (2012 R2 & 2016)
- Design, maintain, and troubleshoot Active Directory group policies, login scripts, DNS and DHCP
- Maintain Active Directory and virtual servers in windows.

Jun 2020-Aug 2021

### Cogniz Info Tech

#### Network,Server,Cloud Engg. cum trainer

- Management of User accounts, System security, change management and performance tuning. Installation of SSL certificates Linux servers. Monitoring and administering Sun-Solaris servers and Red hat Linux servers. Installation of Patches, Hardware, software's and Firmware upgrades.
- RHEL 7/8 implementation Administration installation and maintenance
- web application server Apache ,integration of various network services like NFS ,DNS FTP and samba server
- configured kickstart server for complete hand-free installation for workstation.
- strong technical background in storage, Disk management, Logical volume Management(LVM) and logical partitioning.
- Experience in installing local yum server on redhat
- windows server 2016 ,active directory
- setup group policies on local server and GPO
- OU, Group/files and resource permissions
- migration of windows server 2012R2 to windows server 2016
- creating amazon EC2 instance and maintaining with security group, Architecting of elastic load balancer with ec2 auto scaling group, maintaining volumes and mapping with multi availability one VPC instance.
- Utilized cloud watch to monitor resources such as EC2,CPU,memory,RDS,EBS volumes to set alarm for notification or automated actions and to motor logs for a better understanding and operation of the system.

- **OPERATING SYSTEM**

- **SERVER:**

- Microsoft server  
2012,2012 R2,2016
- Redhat  
EnterpriseLinux:7/8/9

- **CLIENT:**

- Windows:  
xp/7/8/8.1/10/11

- Worked with AZURE active directory and IAM.
- Worked with ADFS ,Microsoft MFA,AWS MFA.
- AWS code-commit -Repo creation and connection and uploading. Triggers and notifications.
- AWS SNS, invoking Lambda using code commit.
- AZURE web app, load balancer, traffic manager.
- AZURE cosmos DB,SQL database.
- configuration and administration of LDAP,NFS in Linux and also implemented SAMBA for sharing resources from Linux to windows environment.
- configuration of LVM (logical volume management) to manage volume groups, logical and physical partitions and importing new physical volumes.
- responsible for settings cron job on the server
- Experience in installing local yum repository in Linux server.
- Expertise in maintaining AWS IAM roles/policy based access control of service for users and groups.

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Sep 2016-Oct 2017

## **Fis info solution pvt.ltd**

### **Network,Server,Cloud Engg. cum trainer**

- Maintaining network IP addressing
- Implementing BGP policies using communities, route tagging
- configuring routing protocols such as RIP,OSPF,BGP,static routing, Route redistribution,summarization,traffic filtering using ACL.
- configuring features like spanning tree, VLAN, VTP, trunking ,PAGP, LACP, SNMP, SSH, NAT.
- Configure and manage TCP/IP networking on RHEL systems, perform software package installation,upgrade yum and rpm commands, manage file system using fdisk and LVM
- Deploy virtual servers using templates and kickstart files
- configure NFS server
- setup secured password less SSH authentication on servers using SSH keys.
- windows server 2012 R2 with active directory configuration, user account, policies, ou ,IIS,FSMO,DFS,ICSCI,migration,WDS,DHCP,DNS.

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sep 2015-Sep2016

## **CMS infosystem pvt.ltd**

### **Network,Server,Cloud Engg. cum trainer**

- Understanding various networking concepts and routing protocols.
- Responsible for supporting various models of route and switches.
- configuring STP,Trunking, VLAN,VTP.NAT,RIP,EIGRP,OSPF,static routing,BGP.
- windows server 2012 R2 with active directory configuration, user account, policies, ou ,IIS,FSMO,DFS,ICSCI,migration,WDS,DHCP,DNS.
- Provisioning, operation and maintenance of Windows Clustering Services (2012 R2 & 2016)
- Operation and maintenance of Windows Servers (2012 R2 & 2016)
- Design, maintain, and troubleshoot Active Directory group policies, login scripts, DNS and DHCP
- Maintain Active Directory and virtual servers

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apr 2014 - oct 2014

## **Tech mahindra,chennai**

### **Customer service representative**

- a company with the name of Getit Infoservices started as a yellow-page business directory service provider, whose main focus was on enlisting local & small business pan India and providing that information to potential customers.Answerd 50+ calles per day,

## **Declaration**

I hereby declare that all the information given above is true and correct to the best of my knowledge.

**ATHIRA SUKUMARAN**

Date:3/4/2023