

# SANTHOSH KUMAR K

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[LinkedIn](#)

✉ [santhoshkr.k@outlook.com](mailto:santhoshkr.k@outlook.com). ☎ 9443907485. Kallakurichi,Tamil Nadu.

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## Summery

As a Linux System Administrator with NOC support experience, I specialize in managing Linux servers, and AWS, resolving network issues, and ensuring high system uptime. I excel in fast-paced environments, focusing on quick troubleshooting and proactive monitoring to minimize downtime and maintain stability.

## Work Experience

**NOC Support Engineer - Present 7 Month** | Postiefs Technologies Private Ltd, Coimbatore.

- The primary responsibility is to carry out day-to-day tasks of System Administration and Monitoring and updating Tickets (issues) through Incident management system.
- Using Zabbix and PRTG Monitoring Linux servers such as Disk space utilization, CPU utilization, Memory utilization.
- Taking backup on Linux server using Rsync, Zip and Tar.
- Configured AWS EC2 instances, VPCs, subnets, security groups, and IAM roles/policies.
- Established CloudWatch alarms to monitor CPU utilization and trigger scale-in/scale-out actions at a threshold.
- Managed M365 user accounts, permissions, and group assignments.
- Administered cPanel/WHM for web hosting management, server configurations, backups, and client support.
- Installed SSL certificates on Apache/Nginx web servers for clients.
- Secured and configured TCP services (FTP, NFS) and web servers (Apache, Nginx).
- Managed disk partitions, VG creation, and LVM for storage optimization.
- Administered Zimbra Mail Servers, ensuring optimal performance, security, and uptime.
- Resolved undelivered mail issues by analyzing logs and troubleshooting delivery failures.
- Provided client support for email-related issues and server configuration.
- Configured DKIM, DMARC, SPF, TXT, and CNAME records in GoDaddy & Cloudflare.

**Intern - Associate System Engineer - 2024 (6month)** | Bridge Global Software Solutions, Kochi, Kerala.

- Provisioned EC2 instances with an Auto Scaling Group (ASG) and configured an Application Load Balancer (ALB) for automated scaling and efficient traffic distribution.
- Deployed Apache servers and MySQL databases on Linux , and utilized AWS CodeDeploy for CI/CD with GitHub.
- Automated WordPress deployment with Dockerfile and Docker Compose, including MySQL, bind mounts, and a single network.
- Networking Issues: LAN/WAN, Hardware and Software Support, Asset Management, Antivirus Management, Remote support.
- Managing Access Points, VPN connections, and Windows, Linux and macOS Support.
- Azure: Learned SSH vulnerability (inbound traffic)

### **Project Contributions: SONARQUBE and GCS Projects**

- Developed an AWS Lambda Function with EventBridge and Python to manage server startup/shutdown
  - Automated AWS RDS instance management using AWS SSM (State Manager).
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## Skills:

- Cloud Platforms: AWS | Azure
  - Mail Server: Zimbra | Monitoring tools: Zabbix, PRTG
  - Programming: Python | Database: MySQL, | Script: Shell
  - AWS Services: EC2, S3, Route53, Lightsail, CloudWatch, SNS, SQS, IAM, State Manager, ELB, Target Group, RDS, VPC, Auto Scaling Group, Lambda Function, EventBridge, EFS, CloudTrail.
  - Azure : Azure VM, Active Directory.
  - CI/CD: AWS CodeDeploy, CodePipeline, CodeBuild, GitHub. Docker swarm. Jenkins.
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## Education:

- **2018 - 2022 | Annamalai University - B.E., CSE**  
OGPA: 7.97
  - **2017-2018 | Mount Park Hr.Sec School - HSC/XII**  
Percentage: 77%
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## Certifications:

- **AWS Architecting.**
- Linux & AWS+DevOps Training - Besant Technologies, Chennai