# Srikanth M

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## Skills

**Cloud Platform**

AWS, Azure, Tencent Cloud, E2E, Pappaiya cloud

**DevOps Skills**

Linux, Docker, Kubernetes, Ansible, Terraform, Jenkins, Git, Gitlab, Helm, Istiod, Bash Scripting, Python

**Web Servers**

Nginx, HTTPD, Apache2

**Databases**

MySql, MongoDB, PostgreSql

**Load Balancer**

HAproxy, Nginx, ELB

**Monitoring Tools**

EL(F)K Stack, Prometheus, Grafana

**Caching Tools**

Redis, Memcached

## Certifications

**Red Hat Certified System Administrator**
RedHat
**JULY 20, 2021**

Red hat CERTIFICATE NUMBER: 210-104-519

**Red Hat Certified Engineer**
RedHat
**Aug-12-2021**

Red hat CERTIFICATE NUMBER: 210-104-519

## Interests

**Professional Interests:**

Cloud Computing Architecture & Solutions, DevOps & Infrastructure Automation, Containerization & Orchestration, Open Source Technologies

## Languages

**English**

**Tamil**

**Kannada**

## Summary

Experienced DevOps/Cloud Operations Engineer with a strong foundation as a Linux System Administrator, currently working at Netzary Infodynamics (On-roll: SkilledAnswers Infosolutions Private Limited Company).

## Experience

**Netzary Infodynamics**
CloudOps Engineer
Bangalore
**April 2022**

As a Cloud Operations Engineer, I play a pivotal role in optimizing cloud infrastructure for performance, security, and scalability. My expertise in DevOps practices, monitoring tools, and database management helps maintain a robust and reliable cloud environment. By leveraging automation, proactive monitoring, and efficient database management, I ensure smooth operations and high availability of critical systems.

https://www.netzary.com/

## Projects

**Project 1: High-Availability Web Infrastructure Implementation**

⇒ **Description**:
1. Architected and deployed a fault-tolerant web application infrastructure using Linux-based technologies and microservices architecture for continuous system availability.

2. Engineered a load balancing solution using HAProxy to efficiently distribute traffic across three Django application servers, significantly improving response times.

3. Optimized web performance by configuring Nginx to serve static content, substantially reducing backend server load and enhancing page load times.

4. Implemented MySQL master-slave replication with automated failover, ensuring data integrity and maintaining consistent database availability.

5. Developed an automated code synchronization system using lsyncd, streamlining deployment time and eliminating version inconsistencies across servers.
6. Integrated Redis caching solution to minimize database queries and improve application response time for frequently accessed data.

⇒**Technologies Used**:
1. Load Balancer: HAProxy

2. Web Server: Nginx

3. Application Framework: Django

4. Database: MySQL (Master-Slave Replication)

5. Data-migrations: lsyncd

6. Caching: Redis

**Project 2:**

⇒ **Description**:
1. Designed and implemented an end-to-end CI/CD pipeline using Jenkins and AWS EKS, substantially reducing deployment time.

2. Automated the build and deployment process through Jenkins, minimizing manual intervention and deployment-related downtime.

3. Orchestrated a highly available Kubernetes cluster on AWS EKS managing multiple microservices, supporting automatic scaling based on demand.

4. Implemented infrastructure as code using Terraform for EKS cluster provisioning, enabling consistent environment creation.

5. Established monitoring and alerting using Prometheus and Grafana, enabling early detection of potential issues before user impact.

⇒ **Technologies Used**:
1. Continuous Integration/Continuous Deployment (CI/CD): Jenkins (Automation & Efficiency)

2. Cloud Platform: Amazon Web Services (AWS)

3. Container Orchestration: Kubernetes (Reliability & Availability)

## Education

**Government Arts College (Autonomous) Coimbatore**
Computer Science
6.4 GPA
B.SC
**Jun 2017 - April 2020**

https://gacbe.ac.in/

## References

**portfolio**

https://srikanth-13.github.io/