

# Sreehari S Kumar

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Ernakulam

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## Summary

Experienced and results-driven Cloud and DevOps Engineer with over 4 years of hands-on experience in designing, implementing, and maintaining cloud-based solutions. Proven expertise in leveraging Amazon Web Services (AWS) to automate the deployment and management of cloud resources, optimizing for cost and performance. Skilled in leading cross-functional teams and collaborating closely with stakeholders to deliver high-quality projects on time and within budget.

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## Skills

- **AWS Services** - EC2, ECS, RDS, IAM, VPC, EBS, S3, EFS, RDS, ELB, Lambda, KMS, CloudWatch, Guard Duty, Route53, CloudFront, Code Build and Security Hub
- **Infrastructure as Code** - Terraform
- **Containerization** - Docker, ECS
- **Automation** - Ansible
- **Version Control** - Git
- **Scripting** - Bash, Python
- **CI/CD Implementation** - Jenkins, GitHub Action

## Experience:

### Sr. DevOps Engineer

Crozaint Technologies Pvt Limited, Ernakulam, Kerala

06/2023 – 07/2024

- **Container Orchestration:** Orchestrated Docker containers using AWS ECS for containerized deployments, scaling, and management.
  - **Infrastructure as Code (IaC):** Implemented Infrastructure as Code (IaC) principles using tools such as Terraform, reducing deployment time and ensuring consistency.
  - **High Availability and Disaster Recovery:** Designed and implemented high availability and disaster recovery strategies on AWS, ensuring minimal downtime and rapid recovery in case of failure.
  - **Automated Testing and Quality Assurance:** Automated testing processes and integrated them into CI/CD pipelines, ensuring high code quality and reliability of deployments.
  - **Cross-Functional Collaboration:** Collaborated closely with development, operations, and QA teams to streamline processes and foster a DevOps culture within the organization.
  - **Incident Management and Root Cause Analysis:** Led incident response efforts, performed root cause analysis, and implemented corrective actions to prevent recurrence.
  - **Cost Optimization:** Optimized cloud resource utilization and costs, leveraging AWS cost management tools and strategies to achieve significant savings.
  - **Continuous Improvement Initiatives:** Spearheaded continuous improvement initiatives, including performance tuning, infrastructure upgrades, and adoption of new technologies to enhance system scalability and reliability.
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## Analyst - Cloud & DevOps

FutureBlox Technologies Pvt Ltd, Trivandrum, Kerala

03/2022 - 12/2022

- **CI/CD Pipeline Development:** Developed and maintained CI/CD pipelines using tools like Jenkins, GitHub Action to automate building, testing, and deployment processes.
- **Cloud Platform Experience:** Worked with AWS and Azure to manage cloud infrastructure.
- **Containerization:** Used Docker to containerize applications and managed container orchestration using Docker Swarm.
- **Automated Task Execution:** Created and maintained shell scripts to automate daily operational tasks, improving efficiency and reducing manual effort.
- **Monitoring and Alerting:** Managed and monitored infrastructure and applications using monitoring tools like Zabbix, New Relic, and Wazuh, setting up alerts and notifications to ensure system stability and availability.

## L2 Server Engineer

HashRoot Technologies (P) Limited, Ernakulam, Kerala

12/2021 - 03/2022

- **Server Monitoring and Maintenance:** Monitored server health, performance, and security using tools like Nagios, Zabbix, or Prometheus, ensuring optimal uptime and responsiveness.
- **Backup and Recovery:** Implemented backup and recovery strategies for Linux servers, ensuring data integrity and disaster recovery preparedness.
- **Scripting and Automation:** Developed and maintained Bash scripts to automate routine tasks, improving operational efficiency and reducing manual effort.
- **Troubleshooting and Issue Resolution:** Diagnosed and resolved L2 server issues related to Linux and WHMCS, ensuring minimal downtime and maintaining SLAs (Service Level Agreements).

## Server and Network Administrator Trainee

Spices Board, Ernakulam, Kerala

02/2020 – 12/2021

- **Installation & Configuration of Centralized Users:** Implemented and managed LDAP servers for centralized user authentication across systems.
- **Automation with Ansible:** Utilized Ansible for automation, including tracking hardware addresses of servers to ensure consistency and compliance.
- **Shell Scripting Expertise:** Developed shell scripts for automating backup tasks, enhancing efficiency and reliability.
- **Web Servers:** Configured and optimized Apache and Nginx web servers, including setting up reverse proxies to enhance web application security and performance.
- **Database Management:** Proficient in managing MySQL and MariaDB databases, including installation, configuration, and optimization for performance and reliability.
- **Server Hardening:** Utilized methodologies to prevent unrestricted access to the servers.

## Education

- B.E. Computer Science and Engineering, 2016  
Dr. Paul's Engineering College, Pondicherry
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## Projects

- Implementation of multi-tier high availability IP-geolocation application using docker swarm.
- Terraform VPC module to create subnets (Private & Public) on a new VPC, with route table and its association.
- Launching a WordPress website on LAMP stack across different operating systems using ansible playbook.
- Website hosting on Amazon S3 (with CloudFront) without enabling public access.
- CI/CD pipeline to automate docker image build using ansible & Jenkins.
- Integrating API Gateway with Lambda function to automate start-stop activity of EC2 instances.
- Infrastructure design and deployment for Send2 Money Transfer Application using AWS ECS Fargate
  - Built highly scalable, secure, and automated infrastructure for a money transfer platform.
  - Implemented blue-green deployments using ECS, ALB, and Fargate for zero-downtime updates.
  - Configured secure communication via AWS Certificate Manager (ACM) and monitored performance with CloudWatch.

## Professional Profiles

**Website:** [1by2.online](https://1by2.online)  
**GitHub:** [github.com/sreehariskumar](https://github.com/sreehariskumar)  
**Medium:** [medium.com/@ssksreehari](https://medium.com/@ssksreehari)

## References:

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