

Sreehari S Kumar

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [Medium](#)

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.

Skills

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

Freelancer

07/2024 – 10/2024

- Infrastructure design and deployment of currency comparison application using AWS ECS Fargate.
- Migrated RDS PostgreSQL to Amazon Aurora Serverless, optimizing cost, scalability and performance by leveraging AWS's on-demand auto-scaling features.

Sr. DevOps Engineer

Crozaint Technologies Pvt Limited, Ernakulam, Kerala

06/2023 – 07/2024

- Orchestrated Docker containers using AWS ECS for containerized deployments, scaling, and management.
 - Facilitated collaboration between development, operations, and QA teams, promoting a DevOps-first culture and streamlining software delivery processes.
 - Automated testing processes and integrated them into CI/CD pipelines, ensuring high code quality and reliability of deployments.
 - Optimized cloud resource utilization and costs by 30%, leveraging AWS cost management tools and strategies to achieve significant savings.
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Associate I - Analyst Cloud & DevOps

FutureBlox Technologies Pvt Ltd, Trivandrum, Kerala

03/2022 - 12/2022

- Developed and maintained CI/CD pipelines using tools like Jenkins, GitHub Action to automate building, testing, and deployment processes.
- Worked with AWS and Azure to manage cloud infrastructure.
- Used Docker to containerize applications and managed container orchestration using Docker Swarm.
- Created and maintained shell scripts to automate daily operational tasks, improving efficiency and reducing manual effort.
- 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

- Monitored server health, performance, and security using tools like Nagios, Zabbix, or Prometheus, ensuring optimal uptime and responsiveness.
- Developed and maintained Bash scripts to automate routine tasks, improving operational efficiency and reducing manual effort.
- 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

- Implemented and managed LDAP servers for centralized user authentication across systems.
- Utilized Ansible for automation, including tracking hardware addresses of servers to ensure consistency and compliance.
- Developed shell scripts for automating backup tasks, enhancing efficiency and reliability.
- Configured and optimized Apache and Nginx web servers, including setting up reverse proxies to enhance web application security and performance.
- Proficient in managing MySQL and MariaDB databases, including installation, configuration, and optimization for performance and reliability.
- 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

- Designed and implemented a multi-tier, highly available IP-geolocation application using Docker Swarm for container orchestration.
- 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 Currency Comparison 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.

Reference

Available upon request.
