

SREEHARI S KUMAR

DevOps Engineer

DevOps Engineer with 4+ years of experience in cloud-native environments, specializing in AWS. Skilled in automating CI/CD pipelines, managing scalable infrastructure, and optimizing costs. Proven ability to enhance system reliability, performance, and deployment efficiency.

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WORK EXPERIENCE

Freelancer

Jul 2024 – Oct 2024

- Designed and deployed AWS ECS Fargate-based currency comparison application, ensuring 99.99% uptime and auto-scaling during traffic spikes.
- Revamped a legacy RDS PostgreSQL database to Amazon Aurora Serverless and integrated ElastiCache for efficient caching.

Sr. DevOps Engineer

Crozaint Technologies Pvt Ltd

Jun 2023 – Jul 2024

- Orchestrated containerized deployments using AWS ECS, enabling seamless rolling updates with zero downtime.
- Streamlined Dev-QA integrated testing pipelines, reducing deployment time by 40% and minimizing post-release bugs.

Associate I - Analyst Cloud & DevOps

FutureBlox Technologies Pvt Ltd

Mar 2022 – Dec 2022

- Automated operational tasks using Bash scripts, reducing manual workload by 50%.
- Enhanced system observability by integrating New Relic, Prometheus, and AWS CloudWatch, leading to improved performance monitoring and issue resolution.

L2 Server Engineer

HashRoot Technologies Pvt Ltd

Dec 2021 – Mar 2022

- Installed and configured Linux OS variants tailored to client-specific workloads.
- Monitored server health, performance, and security using Nagios and Zabbix.

Server & Network Administration Trainee

Spices Board

Feb 2020 – Dec 2021

- Installed and configured LDAP for centralized user management, improving access control for 50+ users.
- Configured and managed production-grade web and database servers, serving 5K+ daily requests.
- Wrote shell scripts for automating backups, user provisioning and log rotation.

SKILLS

AWS Services: EC2, ECS, S3, IAM, RDS, VPC, Lambda, CloudFront, GuardDuty, Security Hub, CloudWatch

Orchestration: Docker swarm, AWS ECS

Infrastructure as Code: Terraform

Automation: Ansible

CI/CD: Jenkins, GitHub Actions

Scripting: Bash, Python

Monitoring: CloudWatch, Zabbix, New Relic

PROJECTS & ACHIEVEMENTS

- Designed and implemented a multi-tier, highly available IP-geolocation application using Docker Swarm for container orchestration.
- Launched a secure video streaming campaign using Amazon S3 & CloudFront, ensuring 99.9% content availability.
- Reduced AWS operational costs by 30% through strategic auto-scaling, right-sizing EC2 instances and leveraging AWS Cost Explorer for optimization.
- Implemented rolling deployments for a currency comparison app on AWS ECS Fargate, ensuring 99.99% uptime and auto-scaling utilizing Amazon Aurora Serverless, reducing latency by 20ms and tripling throughput.

EDUCATION

B.E. Computer Science Engineering

Dr. Paul's Engineering College , 2018