

HARIHARAN G

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Summary

Senior DevOps Engineer with 3+ years of experience in AWS, Docker, EKS and CI/CD automation. Skilled in managing Linux environments, scripting (Bash, Python), Terraform, and Ansible. Proficient in using Datadog, ELK, and various DevSecOps tools for performance monitoring, security, and issue resolution.

Education

2022 Sri Krishna College of Engineering and Technology - Coimbatore, TN

Bachelor of Technology Information Technology

CGPA: 8.6

Relevant coursework: Cloud Computing, Linux, Python, Data Structures, Object-Oriented Programming.

Skills

- **CI/CD:** Jenkins
- **Version Control:** Git, Bitbucket
- **Project Management:** Jira
- **Containers:** Docker
- **Orchestration:** Kubernetes, EKS, ECS
- **Cloud Platforms:** AWS (VPC, DNS, SNS, ECS, EC2, S3, IAM, Lambda, SQS), Azure (AZ-900, AZ-104)
- **IaC:** Terraform, CloudFormation |
- **Config Management:** Ansible
- **Scripting:** Bash, Python, Shell, PowerShell, Groovy
- **Monitoring & Logging:** ELK Stack, Datadog, Imperva | Security Tools: SonarQube, Anchore scan, DAST, OWASP.
- **Core Strengths:** Problem-solving, Collaboration, Serverless, and Automation tools

Experience

Senior DevOps Engineer | BlackBuck – Bangalore, India | 09/2025 - Current

- Spearheading Kubernetes-based modernization by implementing **Amazon EKS**, configuring **Cluster Autoscaler**, **Karpenter**, and **EKS Auto Mode**, improving scalability, optimizing node provisioning, and reducing compute cost during peak loads.
- Executed multiple **EKS upgrades** with zero downtime by leveraging blue-green strategies, managed node groups, and automated pre/post-upgrade validations.
- Designed and executed advanced **cloud cost optimization strategies**, including lifecycle policies, compute right-sizing, storage cleanup automation, and autoscaling improvements—saving significant monthly cloud spend.
- Built and integrated **AI-driven cost optimization agents** to analyze daily cloud usage trends, detect anomalies, and provide proactive savings recommendations to engineering teams.
- Automated daily service health audits and alert routing to increase system reliability and reduce operational overhead.
- Collaborated with product, engineering, and SRE teams to strengthen **project management**, sprint planning, and end-to-end delivery of infra modernization programs.

Senior DevOps Engineer | ADF DATA SCIENCE - Chennai, India | 06/2022 – 08/2025

- Developed Singlebox environments for local (using Vagrant & WSL) and cloud (using Spot & On-Demand instances) to run all microservices efficiently, reducing dev/test costs — **won the India DevOps Show 2025 award for innovative use of open-source tools in automation.**

- Built a complete **ELK** logging solution from scratch using **Terraform**, **Docker**, and **AWS** Auto Scaling Groups (ASG), enhancing observability and scalability.
- Containerized critical services using Docker and integrated them into CI/CD pipelines, improving deployment speed and scalability.
- Automated end-to-end deployments with Jenkins pipelines, boosting workflow efficiency and reducing manual intervention.
- Provisioned and managed AWS resources (**ECS**, **Lambda**, **S3**, **CloudWatch**, **RDS**) using Terraform for consistent infrastructure delivery.
- Implemented autoscaling in AWS **ECS**, reducing resource costs by 80% while improving app performance in dynamic loads.
- Developed and scheduled **AWS Lambda** functions via **EventBridge** to automate routine tasks and streamline operations.
- Secured applications with **IAM** policies and **AWS WAF**, enforcing least-privilege access and protecting against web threats.
- Integrated **SAST** and **DAST** into CI/CD to detect vulnerabilities early and harden code security.

Certifications and Projects:

Executive Post Graduate Certification in Cloud Computing offered by iHUB, IIT Roorkee.

- Implemented a complete DevOps lifecycle for a monolithic app using Docker, Kubernetes, Jenkins, and Terraform with automated CI/CD on AWS.
- Deployed scalable, secure, and high-availability infrastructure on AWS (EC2, RDS, Auto Scaling) with WAF, IAM, and MySQL-PHP integration.

Languages

Tamil: First Language

English: Proficient