

Eshwar M H
DevOps Engineer
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Location: Bangalore

Professional Summary

Highly motivated **DevOps & Cloud Engineer with 2 years** of experience in automating, building, deploying, and releasing code across various environments. Possess expertise in **AWS services**, including design, implementation, and management. Proven track record in establishing CI/CD pipelines, containerization strategies, and infrastructure as code practices. **Enthusiastic about leveraging** my technical knowledge and collaborative spirit to contribute to a high-performing DevOps team and drive innovation.

Technical skills

AWS Services: EC2, WAF, Route 53, EKS, ECS, ECR, CloudWatch, S3, RDS, GuardDuty, Lambda, OpenSearch, Compliance, QuickSight, Elastic Cache, CloudFront, Athena, Systems Manager, SNS, Load Balancers, Autoscaling, Certificate Manager

DevOps Tools: Git, Jenkins, Grafana, Prometheus, Docker, Terraform, SonarQube

Web Servers: Apache, Nginx

Scripting Languages: Python, Shell

Other Tools & Technologies: Cloudflare, Site24/7, Signoz, Datadog

Professional Experience

DevOps Engineer
Lyca Digital - Bangalore

December 2022 to Present

- Managed AWS services including **EC2, RDS, Load Balancers, Route 53, CloudFront, and Lambda** to optimize infrastructure and automate routine tasks.
- Implemented **Infrastructure as Code** using **Terraform** to automate provisioning of AWS resources like EKS clusters and networking components.
- Utilized **Kubernetes (EKS)** for container orchestration, managing clusters, namespaces, pods, and services, ensuring optimal resource allocation and scaling.
- **Utilized Helm Charts** for managing Kubernetes applications and resources, simplifying deployment and management of containerized applications.
- Configured **Istio** as a service mesh for load balancing, traffic management, and enhanced security within the microservices architecture.
- Improved **CI/CD pipelines** with **Jenkins**, integrating automated testing, deployment, and rollback mechanisms.
- Mitigated a DDoS attack handling **50 lakh requests per second** by implementing Cloudflare rate limiting, ensuring website stability and performance.
- Played a vital role in implementation of **Cloudflare WAF** for enhanced security, caching, and performance optimization, reducing website load times by 20%.
- Achieved a **30% reduction in monthly AWS costs** by analysing and right-sizing over-provisioned resources and implementing automated scaling based on traffic.
- Designed and implemented a robust **disaster recovery** strategy using **AMI snapshots** and **RDS Multi-AZ** setup, ensuring high availability and fault tolerance.

- Deployed **Prometheus** and **Grafana** for proactive monitoring and alerting on key infrastructure metrics, integrated with **AWS CloudWatch** for automated scaling and recovery actions.
- Secured infrastructure using **AWS Guard Duty** for threat detection and **Cloudflare WAF** to protect against **DDoS** and other web application attacks such as SQL injections.
- Optimized database performance and availability by managing **PostgreSQL** and **MySQL** on RDS with **Redis** caching, improving website performance by **20%**.
- Managed and configured **SSL certificates** to secure data transmission between clients and servers, ensuring compliance with security standards and best practices.
- Utilized **Site24x7** for comprehensive monitoring of website, enhancing visibility into system health and promptly addressing any issues.

Project

Lycamobile

Lycamobile SIM is a leading mobile network operator spread across 16 countries, including the US (www.lycamobile.us), UK (www.lycamobile.co.uk), and France (www.lycamobile.fr).

- Provided and maintained infrastructure for these websites using AWS cloud technology to enhance the **application's scalability and reliability**.
- Implemented robust security measures such as **WAF and cloudflare**, to safeguard the application against various threats.
- Played a key role in achieving **PCI DSS certification**, ensuring the application meets industry standards for payment data security.
- **Collaborated with multiple teams** including development, security, and operations to streamline workflows, enhance system reliability, and integrate new features seamlessly.

Educational Qualifications

M. Tech in Reva University, Bangalore (2019-2021)

BE in Nitte Meenakshi Institute of Technology, Bangalore (2014-2018)