

Srilekha Senthilkumar | DevOps Engineer | Immediate Joiner

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Summary

DevOps Engineer (3.7 YOE) with strong AWS, Terraform, Kubernetes (EKS), and CI/CD automation skills with a deep focus on SaaS product infrastructure. Passionate about building scalable, resilient systems using automation-first approaches. Hands-on learning ArgoCD and GitOps workflows to enhance deployment efficiency. Immediate Joiner.

Highlights

Automation & Cloud Infra:

- Automated EKS deployment with Docker, GitHub Actions & Terraform
- Managed AWS infrastructure for 30M+ user travel platform

Performance & Security:

- Improved latency by 40% through Nginx optimization
- Resolved 50+ XSS vulnerabilities across booking workflows
- AWS Certified | Immediate Joiner | Chennai-based

Technical Skills

- **Infrastructure:** Terraform, CloudFormation, AWS EC2, S3, RDS
- **CI/CD:** GitHub Actions, Jenkins, CodePipeline
- **Containers:** Docker, Kubernetes, Helm
- **Monitoring:** Prometheus, Grafana, CloudWatch, Splunk
- **Languages/Tools:** Python, Git, JIRA
- **Learning:** ArgoCD, DataDog, ELK Stack (Hands-on with similar tools like CloudWatch & Splunk)

Professional Experience

DevOps Engineer

Tata Consultancy Services (Singapore Airlines) — Chennai, India

Nov 2021 – Present

- Provisioned and maintained secure, scalable AWS infrastructure using EC2, S3, IAM, and RDS.
- Collaborated with CI/CD, security, and cloud architects to align infrastructure and deployment workflows with enterprise standards.
- Continuously improving product-focused automation and observability processes in a highly regulated environment.
- Improved Nginx redirection logic, reducing average latency by 40% during peak traffic.
- Conducted 24+ JMeter load tests to assess system behavior under high load.
- Improved web app security by implementing trust certificates and CSP on 18+ servers.

- Integrated monitoring using CloudWatch and Grafana; explored anomaly detection patterns.
- Resolved 50+ XSS vulnerabilities in booking workflows via strict input validation.
- Led production migration from Amazon Linux 2 to AL2023 with zero downtime.

Certifications

- AWS Certified Cloud Practitioner – Issued 2023
- AWS Certified Solutions Architect – Associate – Issued 2025

Key Projects

End-to-End EKS Cluster Automation | GitHub Actions + Terraform + Docker

Link: <https://github.com/SrilekhaS20/flask-docker-cicd>

Automated EKS Cluster setup of Flask app using Docker, Terraform, and GitHub Actions.

Integrated GitOps practices with ArgoCD for improved deployment automation, along with Prometheus and Grafana for observability.

Project demonstrates end-to-end product delivery mindset and SaaS infrastructure automation.

CI/CD-Driven Static Web Deployment | Docker + K8s + Nginx

Link: <https://github.com/SrilekhaS20/static-website>

Containerized static website with Nginx using Docker, deployed using Kubernetes. Reduced deployment time by 60% compared to traditional server setup.

Education

B.E. Civil Engineering, Sri Sairam Engineering College — Chennai, India

Aug 2017 – Apr 2021 | CGPA: 8.74/10