**Immediate Joiner | Actively Looking | Available to start immediately**

**Srilekha Senthilkumar**  
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**Summary**

Immediate Joiner | DevOps Engineer with 3.6 years of experience in cloud infrastructure management, automation, CI/CD pipelines and monitoring systems. Skilled in **AWS, Terraform, Docker, Kubernetes (EKS), Ansible, Linux, Python Scripting** and **CI/CD tools** like **Jenkins, Git, GitHub Actions.** Currently working on automating EKS cluster setup of Flask app with Docker and CICD pipeline using Terraform and GitHub Actions. Strong Foundation in Linux systems and performance tuning with a proven track of deploying scalable, secure and efficient solutions. Actively seeking challenging DevOps roles to contribute from day one.

**Technical Skills**

* **Cloud Platforms**: AWS (EC2, S3, RDS, Lambda)
* **Cloud & OS Migration**: Amazon Linux 2 → Amazon Linux 2023
* **Infrastructure as Code (IaC)**: Terraform, CloudFormation
* **Containerization**: Docker, Kubernetes
* **CI/CD Tools**: Jenkins, GitHub Actions, AWS CodePipeline
* **Scripting Languages**: Python
* **Monitoring & Logging**: Prometheus, Grafana, Splunk, CloudWatch
* **Version Control**: Git, Bitbucket, GitHub
* **Configuration Management**: Ansible
* **Build and Artifact Management:** Maven, NPM, Artifactory
* **Testing and Code Quality Tools:** SonarQube
* **Project and Issue Management:** JIRA
* **Operating Systems**: Linux (Ubuntu), Windows
* **Databases**: MySQL
* **Web Servers**: Tomcat, Nginx

**Professional Experience**

**DevOps Engineer**

**Tata Consultancy Services (Singapore Airlines)** — Chennai, India  
**Nov 2021 – Present**

* **Cloud Infrastructure Management:** Designed and maintained scalable AWS infrastructure for production workloads, ensuring high availability and regulatory compliance. Automated infrastructure provisioning with CloudFormation, reducing deployment time by 30% and minimizing human error.
* **CI/CD Pipeline Development:** Developed and maintained CI/CD pipelines using Jenkins, supporting continuous integration and delivery processes. Streamlined deployment workflows and improved deployment times, enabling faster and more reliable releases.
* **Infrastructure Optimization:** Optimized server configurations for high availability by improving Nginx redirection status codes, enhancing performance and reducing latency during high traffic periods.
* **Performance Optimization:** Spearheaded load testing initiatives using JMeter, conducting over 24 tests to ensure system resilience under high user loads. Enhanced overall application performance, ensuring seamless user experience even during peak traffic.
* **Security & Compliance:** Strengthened security by implementing trust certificates across 10 application servers and developing Content Security Policies (CSP) for 18 servers.
* **Monitoring & Logging:** Integrated key metrics into Grafana dashboards for real-time performance monitoring and troubleshooting. Set up CloudWatch alerts to support incident detection, triaging, and resolution during operational escalations.
* **Collaboration:** Collaborated with teams during release cycles and participated in operational calls to triage and resolve incidents. Developed custom AWS S3 policies for secure data access and sharing across teams.
* **Cross Site Scripting Fix:** Mitigated cross-site scripting (XSS) vulnerabilities across 11 booking workflows, utilizing regex patterns and custom Java methods to sanitize inputs, improving the security compliance of critical web applications referring to OWASP and protecting against potential cyber threats with best practices.
* **Migration:** Led the migration of applications from **Amazon Linux 2 to Amazon Linux 2023**, ensuring seamless transition with minimal downtime. Assessed compatibility, resolved dependency issues, and optimized configurations to enhance system stability and performance.

**Education**

**Bachelor of Engineering in Civil Engineering**  
Sri Sairam Engineering College — Chennai, India  
**Aug 2017 – Apr 2021** | CGPA: 8.74/10

**Certifications**

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

**Key Projects**

**EKS Cluster Automation (In Progress)**

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

* Automating EKS Cluster setup of Flask app using Docker, Terraform modules and GitHub Actions, implementing CICD pipelines for deployment. Integrated Prometheus and Grafana for observability. Demonstrating end-to-end ownership.

**Static Website using Nginx, Docker and Kubernetes**

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

* Designed and containerized the static website with Nginx using Docker, reducing deployment time by 60% compared to traditional server setups and implemented a Kubernetes cluster for container orchestration.

**Availability:**

Immediate Joiner | Willing to work Hybrid (Chennai)| Open to 24/6 Rotational Shifts