

# SATHISH T

DevOps Engineer

## CONTACT

- ✉ sathishvijay14@gmail.com
- in <http://linkedin.com/in/sathish-t>
- 🌐 <https://systemengineer.dev>
- 📖 <https://blog.systemengineer.dev>

## PROFILE SUMMARY

DevOps Engineer with 5+ years of experience, specializing in enhancing velocity, reliability, and quality through a strong focus on security and automation. Proficient in AWS, Oracle Platform, Docker, and Kubernetes, with a proven track record of guiding organizations in successfully adopting modern DevOps practices.

## TOOLS

- AWS, Oracle, On-Prem servers
- CICD - BitBucket, Jenkins
- Kubernetes, Docker, Helm, Terraform, Ansible
- Nmap, Nexus Vulnerability Assessment, Snyc, Burp Suite, SonarQube
- Nexus Repository Manager

## WORK EXPERIENCE

### Contus Tech

2021 - PRESENT

#### Cloud Admin

Contus Tech is an SaaS Product software company that develops Chat, Streaming and OTT software.

- **Configured and Managed Jenkins Environment:** Managed a Jenkins environment with 30 nodes, including 20 on-premises, optimizing CI/CD processes.
- **Kubernetes Deployment:** Configured and deployed Dev, QA, and Staging servers as Kubernetes clusters on on-prem servers, reducing cloud costs and improving productivity without downtime.
- **Nexus Repository Management:** Set up and managed a Nexus repository to store Docker images, ensuring seamless integration with CI/CD pipelines.
- **Jenkins Pipeline Configuration:** Developed a Jenkins pipeline for end-to-end deployment. Integrated SonarQube for code quality checks, Snyc for package vulnerability assessments, and automated source code builds. Pushed artifacts to the Nexus repository and deployed them to Kubernetes using Helm.
- **Infrastructure as Code (IaC):** Utilized Terraform for provisioning and managing AWS infrastructure, streamlining client onboarding and ensuring consistent environment setup.
- **Configuration Management:** Implemented Ansible to automate configuration management, software provisioning, and application deployment, reducing onboarding time and minimizing manual errors.
- **Automation and Uptime Management:** Automated 24/7 server maintenance, achieving 99.9% uptime. Utilized Python scripts and Grafana Cloud for regular backups and monitoring.
- **Vulnerability Management:** Employed tools like Nmap, Nexus, and Snyc for vulnerability assessment and management, ensuring a secure environment.
- **On-Prem Servers and Firewall Management:** Managed on-prem servers and maintained the FortiGate Firewall to secure network infrastructure.

## LANGUAGES

- Python
- Bash Script
- Java - Debugging Level
- Java Scripts
- MySQL

## PROJECTS

Chat Service : Mirrorfly

Streaming : Onthefly

OTT : Gudsho, Vplayed

## TOOLS

- CI/CD - BitBucket, Jenkins
- Kubernetes, Docker, Helm, Terraform, Ansible, AWS Lambda, Oracle Functions
- AWS, Oracle
- Nmap, Nexus Vulnerability Assessment, Burp Suite, SonarQube
- Nexus Repository Manager

## LANGUAGES

- Python
- Bash Script
- Java - Debugging Level
- Java Scripts
- MySQL

## OWN PROJECTS



Invoice generator

<https://invoice.systemengineer.dev>

GPS Tracker

<https://log-dev.systemengineer.dev>

Portfolio

<https://systemengineer.dev>

Docker Hub

<https://hub.docker.com/u/sathish14>

## KritiLabs Technologies

2018 - 2020

### Systems Engineer

IoT Software Development: Contributed to the delivery of IoT software products for major clients, including Indian Oil and milk companies.

- **CI/CD Pipeline Automation:** Created and maintained fully automated CI/CD pipelines for code build and deployment using Bitbucket, enhancing development efficiency.
- **AWS Infrastructure Management:** Actively managed, monitored, and improved AWS services, including EC2, Lambda, S3, Load Balancing, Secrets Manager, NFS, and RDS. Responsibilities included backups, patching, and scaling to ensure optimal performance and availability.
- **Web Server Configuration:** Configured and optimized Apache reverse proxy and Nginx web servers, as well as Supervisor and Grafana for monitoring services, ensuring reliable and scalable web infrastructure.
- **Docker Container Management:** Built and deployed Docker containers to web servers, significantly improving developer workflow, scalability, and deployment speed.
- **Bitbucket Repository Management:** Managed Bitbucket repositories and permissions, including branching, tagging, and ensuring secure and organized code management.
- **Redmine Customization:** Configured a Redmine Docker image, customized the installation, and implemented necessary plugins to meet project management needs.
- **Network Setup and Administration:** Completed the entire office networking setup, including LAN, WAN, and network administration. Responsible for installing, maintaining, and administering computer networks and related environments.