

# Akhil Singh

## DevOps Engineer

DevOps Engineer with 2+ years of experience with knowledge in Python language, Kubernetes and AWS. Delivered Zero Downtime Deployments to an app that serves 100,000 requests per month, increasing deployment speed by 70 percent through automation of CI/CD process and making sure the app is Highly Available.

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<https://github.com/akhilsingh-git>

### EXPERIENCE

#### Loco, Bengaluru, India

##### *DevOps Engineer*

May 2022 - October 2022

- Developed 3 AWS Lambda Function for unhealthy IP's, IndexDeletion & Unhealthy EC2 Instances while coordinating with Backend, Frontend & QA Team
- Created AWS Code pipeline for game server and made CloudWatch Alarms for every Unhealthy LoadBalancer thereby reducing costs by 15%
- Added new Grafana Dashboards for unhealthy nodes, pods and CPU utilization thereby reducing 20% in save/load time
- Implemented Fluentd/bit Migration from the existing infrastructure and made 14 critical security fixes for AWS

#### Gyan, Remote

##### *DevOps Engineer*

January 2022 - May 2022

- Pioneered the CI/CD pipelines on Jenkins reducing the deployment time by 70% percent and automating the entire flow, resulting in 20 + new features.
- Improved packaging and deploying applications with docker & Kubernetes while maintaining Zero Downtime
- Initiated monitoring and alerting tools like Prometheus & PagerDuty for monitoring of Gyan Application thereby reducing response time by 25%
- Launched HTTP web servers (Nginx) and with LoadBalancer, Improved Page Speed by 50% with Google's Brotli Module

#### Capgemini, Mumbai, India

##### *Software Engineer*

January 2020 - September 2021

- Implemented shell with Linux for server administration, Sonarqube for code leaks and security flaws in the code, Azure Devops Suite for Release reducing release time by 40% by coordinating with 8 Stakeholders
- Automated daily reports by using Shell Script sent to 32 Volvo markets
- Transformed on client requirement and development of Scheduling Jobs using Python to build different models thereby reducing load on Backend & Operations Team by 20%
- Optimized the DB by creating indexes and procedures to reduce workload by 30%

### SKILLS

AWS  
Kubernetes  
Azure  
Docker  
Jenkins  
Shell  
Linux  
Ansible  
Git  
Python  
Teamwork  
ELK  
Leadership

### EDUCATION

#### SRM IST, Chennai

B. Tech, Computer Science & Engineering

July 2016 - June 2020

### OTHER

- Best Performer of Q1-2021 (May 2021) Capgemini
- Published Paper in the International Journal of Innovative Science and Research Technology (IJISRT)