

# Akhil Singh

## DevOps Engineer

DevOps Engineer with 2.5 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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7977439809



Bengaluru



github.com/akhilsingh-git

## SKILLS

Cloud Platforms: AWS, Azure

Container Tools: Kubernetes, Docker

Tools: Jenkins, Terraform, Grafana, Fluentbit, Ansible, Github Actions, Prometheus, Grafana, AppDynamics, Logstash, Elasticsearch, PagerDuty, Jira, Confluence

Languages: Python, Shell

Version Control System: Git, Gitlab

## EDUCATION

### B. TECH

SRM IST, CHENNAI

07/2016 - 06/2020

## LANGUAGES

English  
Full Professional Proficiency

Hindi  
Native or Bilingual Proficiency

## ACHIEVEMENTS

Best Performer of Q1-2021 Capgemini (05/2021)

## WORK EXPERIENCE

### DEVOPS ENGINEER

KIWI

06/2023 - Present

BENGALURU

*Achievements/Tasks*

- Engineered an AWS Lambda function that automatically ingests CloudWatch logs, ships them to an S3 bucket integrate with SIEM tool, reducing the logging process by 60%.
- Developed a CI/CD pipeline for iOS and Android builds, reducing manual deployment tasks by 70%.
- Established Web Application Firewall (WAF) rules for IP whitelisting and blacklisting, reducing malicious traffic by 75%.
- Spearheaded the initiative to make our AWS systems compliant with PCI-DSS, SOC2, ISO, and CISA standards, reducing compliance-related risks by over 60%.

### DEVOPS ENGINEER

LOCO

05/2022 - 10/2022

REMOTE

*Achievements/Tasks*

- 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 Prometheus Configuration and made 14 critical security fixes for AWS

### DEVOPS ENGINEER

GYAN

01/2022 - 04/2022

REMOTE

*Achievements/Tasks*

- Pioneered the CI/CD pipelines on Jenkins reducing the deployment time by 70% percent and automating the entire flow, resulting in 20 + new features.
- Launched HTTP web servers (Nginx) and with LoadBalancer, Improved Page Speed by 50% with Google's Brotli Module.
- Initiated monitoring and alerting tools like Prometheus & PagerDuty for monitoring of Gyan Application thereby reducing response time by 25%.
- Optimised Azure Cloud Cost and decreased downtime by 60% with Azure functions for scaling in and out.

### SOFTWARE ENGINEER

CAPGEMINI

08/2020 - 09/2021

MUMBAI

*Achievements/Tasks*

- 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%.