

# Akhil Singh

## DevOps Engineer

DevOps Engineer with 2.5 years of experience. Proficient in Python, Kubernetes, and AWS. Delivered Zero Downtime Deployments to an app serving 100,000 requests/month, enhancing deployment speed by 70% through CI/CD automation, ensuring high availability.



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Bengaluru



akhilsingh.co



github.com/akhilsingh-git

## SKILLS

Cloud Platforms: AWS,  
Azure

Container Tools:  
Kubernetes, Docker

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

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

## WORK EXPERIENCE

### DEVOPS ENGINEER

#### KIWI

06/2023 - Present

BENGALURU

##### Achievements/Tasks

- Engineered an AWS Lambda function to ingest CloudWatch logs, ship to S3, and integrated with SIEM, reducing logging by 60%.
- Developed a CI/CD pipeline for iOS and Android, reducing manual tasks by 70%.
- Established WAF rules for IP management, 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%.
- Led the migration from existing VMs to Kubernetes Clusters.

### DEVOPS ENGINEER

#### LOCO

05/2022 - 10/2022

REMOTE

##### Achievements/Tasks

- Developed 3 AWS Lambda Functions for IP management and EC2 health, coordinating with multiple teams.
- Created AWS Code pipeline for game server with CloudWatch Alarms, reducing costs by 15%.
- Added Grafana Dashboards for system health, reducing save/load time by 20%.
- Migrated from Prometheus to Fluentd/bit, implementing 14 critical AWS security fixes.

### DEVOPS ENGINEER

#### GYAN

01/2022 - 04/2022

REMOTE

##### Achievements/Tasks

- Pioneered Jenkins CI/CD pipelines, reducing deployment time by 70% and introducing 20+ features.
- Launched Nginx web servers with LoadBalancer, improving speed by 50% using Google's Brotli.
- Implemented Prometheus & PagerDuty for Gyan app monitoring, reducing response time by 25%.
- Optimized Azure costs and reduced downtime by 60% using Azure functions.

### SOFTWARE ENGINEER

#### CAPGEMINI

08/2020 - 09/2021

MUMBAI

##### Achievements/Tasks

- Implemented Linux shell for server admin and used Sonarqube for code quality, reducing release time by 40%.
- Automated daily reports using Shell Script for 32 Volvo markets.
- Developed Python scheduling jobs based on client needs, reducing backend load by 20%.
- Optimized the database with indexes and procedures, reducing workload by 30%.

## ACHIEVEMENTS

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