

KOUSHIK GURRALA

DEVOPS ENGINEER

📞 Call: 7207076532 ✉ Mail: koushikgurrala79@gmail.com 🌐 Portfolio: koushik79.netlify.app
🔗 LinkedIn: linkedin.com/in/koushik-gurrala-896986360/

PROFESSIONAL SUMMARY

AWS DevOps Engineer with 3.8 years of hands-on experience in CI/CD automation, cloud infrastructure, and secure containerized deployments. Proven track record in reducing deployment errors by 70% and cutting costs by 30% through automation and container optimization. Proficient in Jenkins, GitHub Actions, Kubernetes, Docker, Argo CD, and Terraform. Adept at implementing GitOps workflows, secure image management, and AI-powered vulnerability scanning. Experienced in scaling and monitoring production systems using Prometheus, Grafana, and CloudWatch.

TECHNICAL SKILLS

- **Cloud Platforms:** AWS, Azure
- **CI/CD:** Jenkins, GitHub Actions, Argo CD
- **Containers & Orchestration:** Docker, Kubernetes, EKS
- **Security:** SonarQube, Trivy
- **IaC & Automation:** Terraform, Shell scripting, YAML
- **Monitoring & Logging:** Prometheus, Grafana, AWS CloudWatch, EFK Stack
- **DevOps & Cloud Practices:** Linux, GitOps, Blue/Green & Canary Deployments, Serverless(lambda)

PROFESSIONAL EXPERIENCE

Wipro Technologies, Hyderabad

Aug 2021 - Apr 2025

DevOps Engineer

- Designed Jenkins & GitHub Actions pipelines with SonarQube and Maven/MSBuild integration.
- Streamlined K8s deployments using Argo CD with canary/blue-green strategies via Argo Rollouts.
- Automated image updates from ECR using Argo CD Image Updater; built secure Distroless images.
- Strengthened security by scanning Docker images with **Trivy**, building **Distroless images**, and integrating with CI pipelines.
- Automated Kubernetes deployments using **Argo CD** with progressive delivery (canary/blue-green) via Argo Rollouts.
- Implemented Prometheus/Grafana for K8s and CloudWatch for EC2 with custom alerting.
- Built serverless workflows with AWS Lambda for cost-saving automation (S3 triggers, shutdown scripts, alerts via SNS/SES).
- Provisioned cloud infrastructure (EC2, ASG, VPC, ECR) using Terraform with drift detection.
- Reduced deployment time by **40%** and manual errors by **70%** through CI/CD optimization and PowerShell automation on VMs.
- Boosted reliability by 60% through auto-scaling and proactive monitoring across environments
- Modernized legacy systems with DevOps workflows for consistent, scalable multi-environment deployments.

- Migrated legacy apps to modern DevOps workflows, enabling scalable, consistent multi-environments.

EDUCATION

M.Tech in Software Systems, BITS Pilani (WILP)

Apr 2021 – Dec 2025

Bachelor of Science, Aditya Degree College

Jun 2018 – Aug 2021 | CGPA: 8.5/10

CERTIFICATION

- AWS Certified DevOps Engineer (or in progress)
- Be10x AI Automation Workshop.

KEY ACHIEVEMENTS

- Cut deployment errors by 70% through CI/CD standardization.
- Improved build time and reliability with standardized CI/CD pipelines and caching
- Accelerated K8s deployments using Argo CD GitOps, reducing manual errors.
- Achieved 30% infrastructure cost savings via Distroless containers and optimized builds.
- Enabled real-time post-transaction alerts using Lambda + SNS/SES.

ADDITIONAL INFORMATION

- ♦ **Languages:** English, Telugu, Hindi.
- ♦ **Awards/Activities:** Awarded Winner circle badges