

# KOTA DURGA GANGUMALLA

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## SUMMARY

DevOps Engineer with **6 years of IT experience**, including **4+ years in DevOps and Cloud Engineering**. Strong expertise in **AWS, Kubernetes, Terraform, Ansible, Docker, Jenkins, and GitHub Actions** to build and operate scalable, production-grade cloud infrastructure and CI/CD pipelines. Proven ability in **incident management, root cause analysis, and reliability engineering**, ensuring high availability of critical systems. Known for driving automation, improving deployment speed and resource efficiency, mentoring engineers, and collaborating across teams to deliver reliable, high-quality releases.

## TECHNICAL SKILLS

- **Cloud Platforms:** AWS (EC2, VPC, IAM, S3, EKS, ALB)
- **Infrastructure as Code:** Terraform, Ansible
- **CI/CD & Version Control:** Jenkins, GitHub Actions, Git
- **Containers & Orchestration:** Docker, Kubernetes
- **Monitoring & Logging:** Grafana, Check-MK, CloudWatch
- **OS & Scripting:** Linux (RHEL), Bash, Python (basic automation,boto3)

## PROFESSIONAL EXPERIENCE:

### Tata Consultancy Services (TCS) - DevOps Engineer

Client: Ericsson / Hyderabad / Mar 2022 - Present:

- Automated enterprise-scale cloud infrastructure using Terraform, reducing manual provisioning effort and improving consistency across environments.
- Configured and optimized AWS services (EC2, VPC, IAM, S3, ALB, EKS) to support scalable and secure deployments.
- Designed and supported CI/CD pipelines in Jenkins and GitHub Actions, streamlining build and deployment workflows.
- Deployed and managed containerized workloads using Docker and Kubernetes, handling scaling, rolling updates, and environment consistency.
- Migrated legacy VM-based applications to containerized deployments on Ericsson Cloud (EKS-equivalent), improving resource utilization and infrastructure stability.
- Monitored production systems using Grafana and Check-MK dashboards, ensuring proactive detection of anomalies and faster incident response.
- Led resolution of high-severity production incidents across network, server, and storage

systems, implementing preventive fixes to improve service uptime.

- Represented the team in cross-functional meetings, acted as quality owner enforcing standards, delivered KT sessions to newcomers, proactively guided colleagues on DevOps practices, and took ownership and accountability for outcomes.

## PROJECT HIGHLIGHTS

- Delivered infrastructure automation initiatives that reduced manual provisioning effort and improved consistency across environments.
- Enabled faster environment setup and deployments by standardizing infrastructure and release workflows.
- Improved production stability through proactive monitoring, alert tuning, and post-incident corrective actions.
- Contributed to operational excellence by documenting deployment processes, runbooks, and troubleshooting procedures.

## PROJECTS (Personal)

- **Infra Health Monitoring (Python + Boto3 + CloudWatch):** Automated AWS resource monitoring and anomaly detection.
- **EKS Cluster Healing (Terraform + EKS + IAM):** Built self-healing Kubernetes infrastructure to reduce downtime.
- **Roboshop Project (Docker):** Containerized a multi-service application for consistent deployments.
- **Public DevOps Portfolio (in progress):** Developing a dynamic website to showcase automation scripts, cloud projects, and hands-on DevOps work.
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## EDUCATION

### **Bachelor of Technology (B.Tech) - Electronics & Communication Engineering**

Jogaiah Institute of Technology and Sciences, Palakollu - 2019

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## CERTIFICATIONS & LEARNING

**Planned:** AWS Cloud Practitioner, AWS Certified DevOps Engineer – Professional, Terraform Associate, Certified Kubernetes Administrator (CKA)

**AWS Educate:** Completed foundational AWS Cloud and Cloud Operations badges

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## ADDITIONAL INFORMATION

- Experienced in large-scale cloud and containerized production environments.
- Strong background in automation, infrastructure reliability, and production engineering.
- Comfortable working in 24/7 production, incident-driven, and release-oriented environments.
- Open to relocation and onsite opportunities.