

SATISH BANDI

AWS DevOps Engineer

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SUMMARY:

AWS DevOps Engineer with **3 years of experience** in CI/CD automation, cloud infrastructure (AWS and on-premises), and Infrastructure as Code (Terraform). Proficient in containerization and orchestration using Docker and Kubernetes, with hands-on expertise in GitLab CI/CD pipelines. Skilled in implementing observability solutions with Prometheus and Grafana to deliver secure, scalable, and highly available systems.

- **Designed and automated scalable AWS cloud infrastructure** leveraging VPC, EC2, IAM, and KMS, implementing secure networking with VPC endpoints, NAT gateways, and load balancers to enhance performance and security posture.
- **Engineered end-to-end CI/CD pipelines** using Jenkins, GitLab, Terraform, and Ansible to automate provisioning, testing, and deployment workflows — improving release reliability and reducing deployment time by 60%.
- **Containerized and orchestrated microservices** using Docker and Kubernetes (EKS), integrated with Prometheus and Grafana for real-time monitoring, achieving 99.9% uptime and proactive incident detection.

TECHNICAL SKILLS:

- AWS SERVICES: **EC2, S3, IAM, VPC, Subnets, Auto Scaling, Security Groups.**
- Infrastructure Management Tool: **Terraform**
- Version Control Tools: **Git (Git Hub)**
- Continuous Integration: **Jenkins, CI CD**
- Configuration Management: **Ansible**
- Containerization Tools: **Docker & Kubernetes**
- Scripting: **Shell Script**
- Operating Systems: **Linux (RHEL)**

CERTIFICATION

- DevSecOps with AWS Course joindevops.com

WORK EXPERIENCE

Company: Tata Consultancy Services	November-2022 to Present
Project Name: Aadhaar Housing Finance Limited. Roles & Responsibilities:	
& Responsibilities:	
<ul style="list-style-type: none">Developed remote backend in Terraform with state locking on AWS S3 and DynamoDB, enabling secure collaboration, version-controlled infrastructure, and preventing configuration driftEngineered and maintained CI/CD pipelines utilizing GitLab CI/CD, automating application builds, tests, and deployments, which led to a 40% reduction in deployment errors and improved build times.Championed the adoption of application containerization and orchestration via Docker and AWS EKS, decreasing infrastructure costs by 30% and ensuring high availability and scalability of applications.Maintained GitLab version control system, supporting 20+ developers with branching, merging, and conflict resolution to enforce version control best practices and improve code quality.Executed infrastructure provisioning and configuration management using Ansible playbooks and roles, reducing manual effort by 60%Implemented AWS security best practices, including IAM role-based access control (RBAC), S3 bucket policies, and secrets management using AWS Systems Manager Parameter Store, strengthening overall cloud security posture.Managed configuration drift, ensured consistency across environments, and modernised configuration changes using tools like Ansible.Built and optimized Docker images using multi-stage builds, reducing image size by 30% and improving deployment speed.Deployed and managed containerized applications on AWS EKS/Kubernetes using Helm charts, ensuring 99.9% application availabilityStreamlined end-to-end CI/CD pipelines using Jenkins for a microservice-based application, integrating Git, Maven, SonarQube, Docker, and Kubernetes, which reduced deployment time by 60% and boosted release reliability across staging and production environments.Orchestrated Kubernetes Horizontal Pod Autoscaling (HPA) across 7 applications, ensuring each application had sufficient resources during peak traffic, increasing system uptime by 0.2%.Established Prometheus monitoring and alerting for the most critical application, catching critical issues before customer impact; reduced debugging time by 20% and Achieved system uptime.	

EDUCATION:

Bachelor of Technology in Electrical and Electronics Engineering	June-2022
Swarnandhra College of Engineering and Technology, Narsapur, A.P	