

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 onpremises), 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:

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- 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

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- DevSecOps with AWS Course joindevops.com

WORK EXPERIENCE

Company: Tata Consultancy Services

November-2022 to Present

Project Name: Aadhaar Housing Finance Limited. **Roles**

& Responsibilities:

- Developed remote backend in **Terraform with state locking** on AWS S3 and DynamoDB, enabling secure collaboration, version-controlled infrastructure, and preventing configuration drift
- Engineered 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 availability
- Streamlined 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