

Harshavardhan Nandigama

8555855487 | harshavardhan.gama@gmail.com | Bengaluru
www.linkedin.com/in/harshavardhan-nandigama | GitHub

Professional Summary

DevOps enthusiast with hands-on project experience in AWS, Linux, Terraform, Docker, and Kubernetes. Skilled in building CI/CD pipelines and automating deployments to improve efficiency and reliability.

Technical Skills

- **Cloud Computing:** EC2 | S3 | IAM | VPC | Route 53 | RDS | Dynamodb | EKS | ECS | Lambda | Cloud front | CloudWatch
- **OS & Scripting:** Linux | Bash | Python
- **DevOps :** Docker | Kubernetes | Helm | Argo CD | Terraform | Ansible | Jenkins | Nexus | SonarQube | Veracode
- **Monitoring & Observability:** Prometheus | Grafana | ELK Stack
- **Collaboration Tools:** Jira | ServiceNow | Git

• Projects

Major Project E-Commerce Application

- Architected a scalable 3-tier e-commerce application on AWS using 10+ EC2 instances, ensuring 99.9% availability.
- Containerized 10+ microservices with Docker, deployed on Amazon EKS, improving deployment efficiency by 50%.
- Automated infrastructure provisioning with 25+ Terraform modules and Ansible playbooks, enabling 50+ consistent, scalable, and fault-tolerant deployments.
- Integrated Jenkins CI/CD pipelines with SonarQube, Nexus, and Veracode, reducing release cycle time by 30%, improving code maintainability, and ensuring compliance-driven deployments.
- Implemented centralized monitoring with Prometheus, Grafana, and ELK Stack, cutting incident detection and resolution time by 40%, enhancing observability, and supporting real-time alerting.
- Optimized Helm charts for Kubernetes clusters, improving production deployment reliability and scalability.
- Configured AWS Auto Scaling & Load Balancers to handle traffic spikes, boosting application performance by 25%.
- Enforced shift-left with early code quality scans and scripted testing, reducing post-production defects by 20%.

Minor Project – Expense Tracking Application

- Deployed a 3-tier expense tracker on AWS EC2 using Nginx, Node.js, and MySQL, improving accessibility by 40%.
- Orchestrated provisioning with Bash and systemd, reducing manual deployment time by 70% and enabling streamlined, resilient, and fault-tolerant deployments.
- Developed Git-based version control system and a CI/CD pipeline, increasing deployment consistency by 60%.

Other Professional Experience

- **Premier Energies Limited** – Audit Engineer (GET); Conducted daily audits across 35+ production stages, maintained <1% rejection rate, led 20+ process audits, and executed 5S to enhance quality compliance.
- **Goldstone Infratech Limited** – IPQC Intern; Conducted quality checks at all 3 main production stages, reducing defects by 10% and ensuring process compliance in silicone insulator manufacturing.

Certification

- **Cloud Computing – Besant Technologies:** Acquired training in Linux, AWS, programming, and networking.
- **DevOps – JoinDevOps:** Gained hands-on experience in agile practices, CI/CD pipelines (GitHub Actions, Jenkins), Infrastructure as Code (IaC), containerization, deployment orchestration, and workflow automation.

Education

- **Bachelor of Technology (B.Tech) in Electrical and Electronics Engineering**
Narasaraopeta Engineering College, Guntur, Andhra Pradesh | June 2019 - June 2022

Awards and Achievements

- Awarded "Best Intern" at APSPDCL for improving process efficiency by 15–20% through impactful contributions.
- Secured 2nd place in 7 km District-Level Bicycle Race among 50+ participants.