

Harshavardhan Nandigama

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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 | Cloudfront 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

3-Tier E-Commerce Application

- Architected a scalable 3-tier e-commerce application on AWS using EC2 instances, ensuring 99.9% availability.
- Containerized 10+ microservices with Docker, deployed on Amazon EKS, improving deployment efficiency by 50%.
- Automated infrastructure provisioning using Terraform and Ansible, enabling 50+ scalable and deployments.
- Implemented monitoring with Prometheus, Grafana, and ELK Stack, reducing incident resolution time by 40%.
- Optimized and maintained Helm charts for Kubernetes clusters, significantly increasing overall production deployment reliability by 30% and scalability by 25% through improved configuration management.
- 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%.

AI-Based Resume & LinkedIn Score Analyzer

- Built an AI-based Resume & LinkedIn Score Analyzer using Astro, JavaScript, and APIs to provide scoring.
- Deployed on Vercel with AWS Route53 for a custom domain.
- Designed a clean UI to deliver instant, actionable feedback.

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.
- **AI – Out Skill:** Gained hands-on experience in artificial intelligence fundamentals with tools.

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.
- Built an AI-based Resume & LinkedIn Score Analyzer using Astro, JavaScript, and APIs to provide scoring.