Sharan Hiremani

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TECHNICAL SKILLS

- Python
- JavaScript
- React
- SQL
- Bash Scripting
- Flask
- Docker
- Kubernetes
- Ansible
- Terraform
- Jenkins
- ArgoCD
- Linux
- GitHub
- Grafana
- Prometheus
- Networking

EDUCATION

KLS Gogte Institute of Technology, Belagavi Belagavi, KA
Master of Computer Applications *2022 – 2024*

PROJECTS

Educational Platform with Complete CI/CD Pipeline | *AWS, Terraform, Ansible, Jenkins, Docker, Kubernetes, Prometheus, Grafana, React, Node.js*
- Architected scalable cloud infrastructure using Terraform IaC managing 44 AWS resources across 5 environments, achieving maximum uptime with automated cost optimization reducing infrastructure spend through Lambda-based auto-shutdown
- Engineered robust CI/CD pipeline with Jenkins Master/Slave architecture processing 100% automated deployments, integrating Trivy security scanning (zero vulnerabilities), Docker multi-stage builds, and 3-tier environment promotion with manual approval gates
- Automated infrastructure provisioning using Ansible playbooks managing configuration tasks across environments, implementing zero-trust security with bastion host access, SSH key automation, and comprehensive security hardening (UFW, fail2ban)
- Established enterprise monitoring and orchestration stack with Prometheus/Grafana observability cluster, Kubernetes container orchestration for horizontal auto-scaling, Docker containerization strategy supporting blue-green deployments and service mesh architecture

End-to-End CI/CD Pipeline with Automated Kubernetes Scaling | *GitHub, Jenkins, Docker, Kubernetes, Ngrok*
- Developed an end-to-end CI/CD pipeline automating all build, test, and deployment processes for a containerized Node.js app, streamlining releases and minimizing manual intervention.
- Configured Kubernetes deployments with YAML manifests, exposing services through NodePort and implementing auto-scaling for pods based on CPU usage to maintain performance under varying loads.
- Refined the development workflow by blending Jenkinsfile automation and npm audit security fixes, maintaining secure, vulnerability-free builds in continuous integration pipelines and supporting reliable releases.

EXPERIENCE

Junior Developer - Intern Jan 2025 - Present
Osvan Technologies *Canada (Remote*
- Deployed containerized environments with Docker and orchestrated scalable workflows through Kubernetes, integrating network topology log files to ensure consistent builds and stable deployments for multiple project modules throughout the internship.
- Automated infrastructure configurations with Ansible Playbooks and enhanced system observability using the TIG stack, leveraging network logs to proactively detect bottlenecks and maintain peak performance during development sprints.
- Explored intelligent automation solutions by studying Agentic and Cisco DCAIE frameworks, translating research insights into actionable proposals that elevated system reliability and scalability during the internship phase.

Junior IOT Developer - Intern Apr 2024 - Sep 2024
Space Zee Technologies *Chennai, TN*
- Designed and implemented a scalbale IoT architecture for smart switches, ensuring seamless hardware-software integration.
- Developed user-friendly applications for remote control and monitoring, enhancing user experience and functionality.
- Streamlined communication protocols to ensure reliable and consistent connectivity across IoT devices in the network.

CERTIFICATIONS

- Software Programmer - Python *[NASSCOM]*
- Master of Network Administration *[Belagavi Institute of Technology]*
- Mastering Git & GitHub from Basic to Advanced *[Udemy]*
- Terraform Associate Certification *[KodeKloud]*
- AI Solutions on Cisco Infrastructure Essentials (DCAIE) *[Cisco]*

KEY ACHIEVEMENTS

- Student Lead, Intercollege Hackathon | *[KLS Gogte Institute of Technology, Belagavi]* March – 2024
- Best Project of the Year, KLS GIT Belagavi 2024