Bukke Kiran Naik

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Senior Systems Engineer

DevOps | Hashi Corp Vault | AWS

PROFESSIONAL SUMMARY

DevOps Engineer with over 3 years of IT experience in delivering scalable and efficient automation solutions and support. Proficient in utilizing DevOps methodologies to facilitate seamless collaboration between development and operations teams, ensuring smooth and reliable software delivery. Expertise in Jenkins, AWS, Bash, Terraform, Vault, GitHub, and GitHub Actions, with strong proficiency in CI/CD pipelines and managing cloud-based infrastructure.

PROFESSIONAL EXPERIENCE

- **DevOps Pipeline Management:** Built and maintained CI/CD pipelines for application deployment, ensuring reliable software delivery
- **Infrastructure as Code:** Used Terraform to create and manage infrastructure in a repeatable, version-controlled way
- **Container Orchestration:** Set up and maintained Kubernetes clusters for running containerized applications reliably
- **Security Implementation:** Deployed HashiCorp Vault to manage credentials securely with automatic rotation
- **Monitoring & Observability:** Implemented Prometheus, Grafana, and OpenSearch to monitor applications and infrastructure
- **Automation Development**: Created Ansible playbooks and Python scripts to automate regular operational tasks
- **Cloud Management:** Used AWS services to build scalable and resilient infrastructure for applications
- **Release Management:** Managed sprint releases and emergency fixes across development and production environments
- **Knowledge Sharing:** Created documentation and guides for team use and knowledge transfer
- **Emerging Technology Integration:** Used modern tools to improve DevOps workflows and automation
- **API Development**: Developed a Python-based API and implemented a one-click deployment mechanism to streamline the deployment process.

EDUCATION

BTech – Computer Science And Engineering	2021
Madanapalle Institute Of Technology And Science, Angallu*.	
Intermediate – MPC	2016
Sri Chaitanya Bharathi Junior College, Tirupati.	
SSC	2014
Ravichandra High School, Galiveedu.	

TECHNICAL SKILLS

- **Cloud Technologies**: AWS Cloud Services (EC2, S3, API Gateway, PostgreSQL, ELB, VPC, IAM)
- **DevOps Tools & Automation**: Jenkins, GitHub Actions, GitLab CI/CD, Terraform, Docker, Kubernetes,
- **Tracking & Collaboration**: JIRA, Confluence
- **Security & Monitoring:** HashiCorp Vault implementation and management, Prometheus, Grafana, OpenSearch

CERTIFICATIONS

Associate in IaC using Terraform	**Infosys**	2024
DevOps	**FrontLineMedia**	2024
Associate in Ansible	**Infosys**	2025

WORK EXPERIENCE

Senior Systems Engineer – Infosys   May 2022 - Present

Bangalore

Lex-Wingspan Project (Cloud Application Platform):

- Led deployment team responsible for managing sprint release cycles and coordinating application updates across multiple environments
- Managed mid-sprint hotfix deployments in collaboration with development teams, ensuring minimal disruption to production services
- Conducted successful PoC and implemented HashiCorp Vault for secure credential management, significantly enhancing overall security posture
- Implemented dynamic credential generation through HashiCorp Vault's secret engines, eliminating hard-coded credentials in applications
- Configured and maintained Vault Secret Operator to automatically synchronize credential updates between Vault and Kubernetes secrets
- Developed and implemented Ansible automation scripts to monitor critical Kubernetes services including Keycloak, Elasticsearch, and Neo4j
- Implemented comprehensive monitoring solutions using Prometheus and Grafana for real-time visibility into server performance metrics and microservices health
- Optimized Kong API Gateway configuration and implemented bandwidth monitoring to identify performance bottlenecks and improve load distribution
- Deployed and configured OpenSearch, creating role-based access for developers to efficiently debug issues through centralized log management
- Successfully executed Kubernetes cluster upgrades from version 1.30 to 1.32 using infrastructure-as-code with Terraform, minimizing downtime
- Leveraged modern code assistance tools (i.e, co-pilot) to accelerate problem-solving and streamline implementation of automation workflows
- Explored innovative approaches to enhance DevOps processes and automate routine tasks

CORE COMPETENCIES/STRENGTHS/PERSONAL TRAITS

- Self-starter with an engineering mindset
- Highly motivated and passionate about new technologies
- Team collaboration across development and operations
- Adaptability to rapidly changing technology environments

LANGUAGE COMPETENCIES

English, Telugu and Hindi