

PROFESSIONAL SUMMARY

Accomplished **DevSecOps & Cloud Platform Architect** with **16+ years of total experience** engineering secure multi-cloud architectures (AWS, Azure, GCP), enterprise Linux systems, and production Kubernetes orchestration. Extensive expertise driving **DevSecOps and Cloud Security Posture Management (CSPM)**—embedding shift-left security (SAST, DAST, SCA with Snyk, Trivy, SonarQube, OWASP ZAP), enforcing Zero Trust architectures, secrets lifecycle management (HashiCorp Vault), and regulatory compliance (PCI-DSS, CIS Benchmarks). **Thoroughly well-versed in AI/ML & LLMOps security**—architecting secure GPU-accelerated Kubernetes clusters (NVIDIA GPU Operator, MIG slicing), securing distributed training and inference pipelines (Kubeflow, Ray Serve, vLLM, Triton), and protecting vector databases (Milvus, Qdrant). Certified Kubernetes Administrator (**CKA**) and HashiCorp Certified Terraform Associate with a proven track record of reducing vulnerabilities by 40%, cutting cloud spend by 35%, and maintaining 99.99% system availability.

CORE TECHNICAL COMPETENCIES

DevSecOps & Cloud Security: Vulnerability Management (Snyk, SonarQube, Trivy, OWASP ZAP), Shift-Left SAST/DAST/SCA, Container Image Hardening, HashiCorp Vault, AWS Secrets Manager, IAM Least Privilege, CIS Benchmarks, PCI-DSS Directives, SIEM, HIDS (OSSEC), Network Security (Cisco/Fortinet, IPtables).

CI/CD & GitOps Automation: Jenkins (10 yrs), GitOps, ArgoCD (5 yrs), GitHub Actions, GitLab CI, Screwdriver CI, Bamboo, AWS CodePipeline, Automated Security Gates & Policy-as-Code.

Container Orchestration & Kubernetes: Kubernetes / EKS / GKE / AKS (8 yrs – CKA Certified), Docker & Podman (9 yrs), Helm (7 yrs), Kustomize, Service Mesh (Istio mTLS), NetworkPolicies, Pod Security Standards (PSS/PSA), OpenShift.

laC & Configuration Management: Terraform (11 yrs – HashiCorp Certified), Terragrunt, Packer (11 yrs), Ansible & AWX (12 yrs), Puppet, Chef, Bash Scripting (15 yrs), Python Automation & Security Scripting (9 yrs).

AI / MLOps & AI Infrastructure (Well-Versed): MLOps Pipeline Security, Kubeflow, Ray & Ray Serve, Triton Inference Server, vLLM, Ollama, MLflow, NVIDIA GPU Operator, MIG Slicing, Vector DBs (Milvus, Qdrant, OpenSearch), RAG Architecture, AI Guardrails & Token Observability.

Cloud Platforms & Hybrid Infrastructure: Amazon Web Services (AWS – 12 yrs), Google Cloud Platform (GCP – 7 yrs), Microsoft Azure (7 yrs), Hybrid Cloud & Bare-Metal (OpenStack, VMware vSphere/ESXi, BOSS Linux).

Observability, SRE & Telemetry: Prometheus, Grafana, Datadog, Splunk (5 yrs), New Relic, Wavefront, ELK Stack, Nagios/Icinga (14 yrs), Zabbix, Alertmanager, PagerDuty, SLO/SLI tracking, Anomaly Detection.

Systems, Networks & Databases: Enterprise Linux (RHEL, CentOS, Rocky, Ubuntu, Debian – 16 yrs), TCP/IP, DNS, Security Groups, Cisco & Fortinet Firewalls; PostgreSQL, MySQL, YugabyteDB, MongoDB, DynamoDB, Redis.

AI-Augmented Engineering Tools: Cursor, GitHub Copilot, custom LLM incident triage bots, AI-assisted code generation & automated root cause analysis.

PROFESSIONAL EXPERIENCE

Lead DevSecOps & Cloud Platform Specialist | ProvaanTech Pvt Ltd

May 2024 – Present | Remote, Pune

Tech Stack: AWS (EKS, EC2, S3, IAM, Lambda), GCP (GKE), Snyk, Trivy, SonarQube, OWASP ZAP, HashiCorp Vault, Kubernetes, Helm, ArgoCD, Terraform, Ansible, Python, NVIDIA GPU Operator, vLLM, Triton, Ray, Milvus, Prometheus, Grafana.

- DevSecOps Pipeline & Security Automation:** Architected automated DevSecOps pipelines integrating SAST, DAST, and container vulnerability scanning (Snyk, Trivy, SonarQube, OWASP ZAP) into CI/CD workflows, eliminating 40% of pre-production vulnerabilities.
- Kubernetes & Cloud Security Hardening:** Hardened multi-cloud Kubernetes clusters (AWS EKS & GCP GKE) enforcing CIS Benchmarks, RBAC, NetworkPolicies, and HashiCorp Vault secrets injection for zero-trust microservice communication.
- Secure AI/ML & GPU Infrastructure:** Engineered secure, GPU-accelerated Kubernetes infrastructure for AI/ML workloads using NVIDIA GPU Operator, Multi-Instance GPU (MIG) slicing on A100/H100, and secured low-latency inference serving with vLLM, Triton, and Ray Serve.
- Infrastructure as Code & GitOps Delivery:** Automated enterprise cloud provisioning with modular Terraform and established GitOps continuous delivery via ArgoCD and Helm, achieving automated canary rollouts and zero-downtime microservice deployments.
- Cloud Cost & Accelerator Optimization:** Implemented Karpenter dynamic autoscaling and Spot instance orchestration across general compute and GPU workloads, cutting multi-cloud infrastructure spend by **35%**.
- Vector DB Security & Enterprise RAG:** Deployed and secured distributed Milvus and OpenSearch Vector Engine clusters on Kubernetes with TLS encryption and access control, supporting enterprise Retrieval-Augmented Generation (RAG) pipelines.
- AI Observability & Automated Incident Triage:** Built Prometheus and Grafana dashboards tracking infrastructure health and GPU telemetry; developed custom Python LLM incident triage bots and Slack integrations, reducing Mean Time to Resolution (MTTR) by **45%**.

Production Engineer II (IC Level 3) – Cloud & Security Operations | Yahoo Software India

Apr 2023 – Apr 2024 | Remote, Bengaluru

Tech Stack: Linux (CentOS/RHEL), AWS, OpenStack Bare-Metal, Kubernetes, Helm, ArgoCD, Screwdriver CI, Ansible AWX, Terraform, Packer, Python, Splunk, Nagios, MySQL, Traffic Server (CDN).

- High-Throughput Reliability & Security:** Owned L3 production reliability and security operations for distributed data platforms and media services handling multi-million daily requests across hybrid cloud environments (AWS & OpenStack bare-metal).
- Automated Security Patching & Fleet Compliance:** Engineered Ansible AWX playbooks to automate zero-downtime security patching, vulnerability mitigation, and OS-level hardening across 3,000+ Linux enterprise servers.
- Secure CI/CD & GitOps Modernization:** Modernized build and release pipelines utilizing Screwdriver CI and ArgoCD on Kubernetes, embedding automated compliance checks and reducing release cycle turnaround by 50%.
- HPC & Network Stack Optimization:** Performed OS-level kernel tuning, TCP/IP stack optimization, and IPtables security rules, eliminating packet drops for distributed data streaming clusters.
- Incident Automation & Telemetry:** Developed Python automation scripts integrating Splunk and Nagios with Slack bots for automated health verification and accelerated incident triage during major production alerts.

DevOps & Cloud Infrastructure Lead Kloud9 Technologies India		Feb 2022 – Oct 2022 Remote, Bengaluru
Tech Stack: AWS, Azure, GCP, Linux, Kubernetes (EKS/AKS), Terraform, Packer, Ansible, Helm, Jenkins, GitOps, Python, Bash, New Relic, Splunk, MongoDB, DynamoDB, AWS Lambda, Dynamics 365.		
Engineering Leadership & DevSecOps Strategy: Led an 11-member DevOps and SRE team across multi-cloud infrastructure, driving security best practices, architectural reviews, and agile sprint execution. Multi-Cloud IaC Standardization & Security: Architected reusable, secure Terraform and Packer modules across AWS, GCP, and Azure, accelerating infrastructure provisioning from days to under 30 minutes with built-in least privilege IAM policies. Serverless Architecture & Data Pipelines: Engineered secure serverless architectures utilizing AWS Lambda, API Gateway, and DynamoDB for enterprise e-commerce platforms (Shopify, Magento) with KMS encryption. CI/CD Hardening & Observability: Standardized continuous delivery pipelines using Jenkins and GitOps; implemented comprehensive telemetry and distributed tracing with New Relic and Splunk, maintaining 99.95% availability.		
Sr. Technical Support Engineer (Kubernetes & Cloud Infra) YugaByte India		Mar 2021 – Nov 2021 Remote, Bengaluru
Tech Stack: YugabyteDB, Linux, AWS, GCP, Azure, Kubernetes, Helm, Terraform, Packer, Ansible, Python, Git, Zendesk, PagerDuty.		
- Automated secure deployment of distributed YugabyteDB clusters across AWS and GCP using Terraform, Packer, and Ansible with TLS encryption in transit. - Engineered and hardened Kubernetes Helm charts for distributed database orchestration, fault tolerance, and multi-region replication. - Troubleshoot critical customer issues spanning Raft consensus, query latency, storage subsystems, and cluster network policies. - Integrated YugabyteDB with enterprise client workloads and high-throughput e-commerce platforms.		
Site Reliability Engineer (Observability & Telemetry) VMware Software India		Jul 2020 – Mar 2021 Remote, Pune
Tech Stack: AWS, Terraform, Linux, Python, AWS Lambda, Wavefront (Tanzu Observability), logz.io, Slack API.		
- Spearheaded enterprise observability and log governance migration from logz.io to VMware Wavefront across multi-account AWS environments. - Built serverless log aggregation, compliance filtering, and telemetry harvesting pipelines using Python and AWS Lambda. - Automated real-time incident alerting pipelines from Wavefront directly to Slack channels, reducing alert latency by 60%.		
Technical Lead (Cloud Operations & SRE) eInfochips		Feb 2018 – Jan 2020 Pune
Tech Stack: Linux, AWS, GCP, Azure, Docker, Kubernetes (EKS & Azure VMs), Terraform, Packer, Ansible, Jenkins, Zabbix.		
- Led 16 DevOps/SRE engineers; architected secure multi-cloud environments on AWS, Azure, and GCP; achieved 25% AWS cost savings. - Automated IAM key rotation and Route53 DNS modifications via Lambda, eliminating long-lived access keys; containerized monolithic workloads onto Kubernetes (EKS & Azure VMs).		
Senior Linux Administrator & DevOps Engineer Rave Technologies India		Jul 2016 – Jan 2018 Mumbai
Tech Stack: Enterprise Linux, AWS, Puppet, Bamboo, Jenkins, Git, Docker, MySQL, Nagios, Terraform, NFS, Samba.		
- Administered 2,000+ Linux enterprise servers using Puppet; implemented Host-based Intrusion Detection Systems (HIDS), periodic security audits, and automated antivirus definitions. - Built CI/CD pipelines via Jenkins and Bamboo; executed lift-and-shift migration of enterprise infrastructure from VMware vSphere to AWS EC2 with autoscaling.		
Early Career Foundation (2011 – 2016)		
ControlCase International	Sr. Executive (Infra & SecOps) – Implemented PCI-DSS directives, SIEM, Nagios, Cisco/Fortinet firewalls; automated vSphere-to-AWS migration with Terraform.	Feb 2014 – Mar 2016
CDAC (former NCST), Mumbai	Project Engineer – Implemented BOSS Linux in mission-critical infra of INDIAN NAVY ; deployed network print servers; conducted Linux training for naval officers.	Jul 2011 – Jan 2014

CERTIFICATIONS

Certified Kubernetes Administrator (CKA)
The Linux Foundation | Credential ID: CKA-2000-008142-0100

HashiCorp Certified: Terraform Associate
HashiCorp

CNSS (Networking & System Security)
CDAC Hyderabad

EDUCATION

Bachelor of Technology (B.Tech)
IIMT Engineering College, Meerut | UPTU Lucknow (2007 – 2011)

Higher Secondary Certificate (HSC – 10+2, PCM)
RTC Ormanjhi, Jharkhand Academic Council, Ranchi

Secondary School Certificate (SSC – 10th)
RTC High School, CBSE Board