HARI KRISHNA S

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PROFESSIONAL SUMMARY

AWS-Certified DevOps Architect (Solutions Architect – Professional) with 6+ years of experience building **self-healing cloud platforms** and **AI-powered CI/CD pipelines**. Proven **cost optimizer**, **automation strategist**, and **MLOps innovator** driving real-time observability and scale.

☆ Reduced AWS cloud costs by $150K/year via Terraform & FinOps optimization.

☆ Achieved 99.9% uptime across 50+ microservices on Kubernetes.

☆ Automated end-to-end MLOps lifecycle on AWS, cutting deployment time by 60%.

Core Expertise

- Cloud Automation (Terraform, Ansible, AWS)
- CI/CD & MLOps (GitLab, SageMaker, Kubeflow)
- Observability (Datadog, Prometheus, Grafana)
- Security & Compliance (IAM, PCI-DSS, SOC2)
- AI-Driven Ops (Auto-healing, Anomaly Detection)
- Containerization & Kubernetes at Scale

PROFESSIONAL EXPERIENCE

1. **Senior DevOps Engineer | Innominds Software Pvt. Ltd.** | 2022 – Present

Skills: AWS, MLOps, AI Integration, Kubernetes, Jenkins, GitLab, Docker, Datadog, Ansible, Terraform

Infrastructure Automation & Scalability:

- Architected Terraform modules to automate provisioning of 50+ AWS services (EC2, EKS, S3), reducing deployment time by 40%.
- Streamlined configuration management with Ansible, achieving 99.9% uptime for mission-critical workloads.

CI/CD & Pipeline Optimization:

- Engineered GitLab CI/CD pipelines with parallel testing and artifact caching, accelerating release cycles by 35%.
- Deployed AI-driven MLOps pipelines (SageMaker, Kubeflow) that reduced model training costs by 25% through spot instance optimization.

Observability & Security:

- Built a unified monitoring stack (Datadog + CloudWatch) with custom dashboards, slashing incident response time by 50%
- .Enforced least-privilege IAM policies and automated tagging, improving compliance audit scores by 30%.

Containerization at Scale:

- Containerized 15+ legacy microservices using Docker and orchestrated them on Kubernetes, cutting latency by 20% and enabling zero-downtime deployment

2. **Cloud Engineer Associate | Deloitte** | 2019 – 2022

Skills: AWS, Linux, System Administration

Cloud Infrastructure Management:

- Automated provisioning of 200+ EC2 instances and VPCs using CloudFormation, reducing manual errors by 60%.
- Optimized S3 storage lifecycle policies, saving $18K/year in unnecessary costs.

Linux & Automation:

- Scripted Bash/Python tools for log analysis and backup automation, reducing manual effort by 15 hours/month.
- Revamped RHEL server hardening processes, resolving 100+ vulnerabilities ahead of PCI-DSS audits.

Disaster Recovery & Compliance:

- Designed cross-region DR strategies for critical workloads, achieving RPO/RTO of <5 mins during outages.
- Led SOC2 compliance initiatives for AWS environments, ensuring 100% adherence to security controls.

PROJECT HIGHLIGHTS

1. AI-Driven MLOps Pipeline on AWS
Company: Innominds Software Pvt. Ltd. | Role: Senior DevOps Engineer
Tech Stack: AWS SageMaker, Lambda, CodePipeline, Prometheus, CloudWatch, Kubernetes, Terraform
Key Contributions:

- Designed and automated an end-to-end MLOps pipeline for model training, validation, and deployment using AWS SageMaker, reducing manual effort by 70%.
- Integrated CI/CD via AWS CodePipeline to trigger model retraining on new data commits, improving model accuracy by 15% over time.
- Implemented real-time monitoring with Prometheus and CloudWatch to track model performance drift, reducing production incidents by 40%.
- Containerized inference workloads using Docker/Kubernetes for scalable, low-latency deployments across hybrid cloud environments.
- Outcome: Achieved 60% faster model rollout and 30% cost savings by auto-scaling SageMaker endpoints based on demand.

2. AI-Powered Cloud Monitoring & Auto-Healing System

Company: Deloitte | Role: Cloud Engineer Associate

Tech Stack: Grafana, AWS Lambda, SNS, Kubernetes, Python, CloudWatch, Datadog
Key Contributions:

- Built a real-time observability system using Grafana dashboards and Datadog to monitor 100+ EC2 instances and microservices, reducing MTTR by 50%.
- Developed AI-driven anomaly detection with AWS Lambda and SNS to trigger alerts for unusual traffic/spikes (e.g., CPU >90%).
- Automated self-healing workflows (e.g., pod restarts, node replacements) in Kubernetes clusters, improving system uptime to 99.95%.
- Reduced cloud costs by 20% by dynamically scaling non-critical workloads during off-peak hours.
- Outcome: Enabled proactive incident resolution and cut downtime-related revenue loss by $150K/year..

TECHNICAL SKILLS

- Cloud: AWS (EC2, VPC, S3, Lambda, IAM, RDS, CloudWatch, Route 53, CloudFormation, EKS)
- DevOps Tools: Jenkins, GitLab CI/CD, Git, Docker, Kubernetes, Ansible, Terraform
- Monitoring: Datadog, Prometheus, Grafana, New Relic
- Scripting: Python, Bash, Shell
- Systems: Linux (Ubuntu, RHEL), Windows
- Concepts: CI/CD, MLOps, Auto-scaling, Serverless Architecture, Infrastructure as Code

EDUCATION

Bachelor of Computer Applications (BCA)
K.B.N College, Krishna University – Vijayawada, Andhra Pradesh
Graduated: 2019 | **GPA: 94%**

CERTIFICATIONS

AWS Certified Solutions Architect – Professional
Validation #: **d2a80620a35b4ffb86721154af7a8361**
Verify: **https://aws.amazon.com/verification**

AVAILABILITY

✅Immediate Joiner
✅Open to Remote / Hybrid / Relocation