Harsha Kalyan

Senior Senior Solutions Architect

harshakalyanaraman@gmail.com | (857) 800-5215 | linkedin.com/in/khvr | github.com/khvr | khvr.github.io | Chicago, IL

Experienced Senior DevOps Engineer proficient in leading Kubernetes deployment, AWS infrastructure evolution, and enhancing security. Adept in CI/CD, cloud platforms, and infrastructure as code. Certified in Kubernetes and AWS solutions architecture. Skilled in fostering relationships, advocating for customers, providing technical education, and leading architectural consultations. Excels in communication while serving as a mentor, scaling teams, and collaborative culture

Skills

• Container Orchestration:	Kubernetes, Docker, Helm	• Security:	HCP Vault, AWS KMS
• Infrastructure as Code:	Terraform, Pulumi	• Monitoring and Logging:	Prometheus, Grafana
• CI/CD:	Jenkins, GitLab, CircleCI	• Scripting:	Bash, Python
• Cloud Platforms:	AWS, GCP	• Programming Languages:	Python, JavaScript, Go
• Messaging Systems:	Kafka	• Version Control:	Git, GitLab, GitHub
• Agile Methodologies:	Scrum, JIRA	• Configuration Management:	Ansible

Experience

Senior DevOps Engineer Ubiety Technology Inc. | Chicago, Illinois   July 2020 - Present

- Led cross-account Kubernetes implementation on GKE and orchestrated CI/CD setup, achieving seamless Kubernetes deployment and CI/CD integration across accounts.
- Strategically transformed AWS account structure, partitioning into three accounts and executing seamless data migration, resulting in efficient data transition and enhanced account performance.
- Empowered robust security by migrating sensitive credentials to HashiCorp Vault, integrating with GitLab CI for fortified security measures and reliable CI/CD pipelines.
- Pioneered cost-effective monitoring with a consolidated Grafana dashboard aggregating metrics, yielding annual cost savings of $10,000 and reducing incident response time by 40%.
- Contributed to architecture reviews by providing valuable insights and prioritizing scalability, performance, and security considerations, leading to optimized system architectures aligned with business goals.

DevOps Engineer Ubiety Technology Inc. | Chicago, Illinois   June 2021 - June 2023

- Directed the development of reusable Terraform modules for AWS services, standardizing infrastructure components for heightened maintainability and version control, resulting in 50% faster infrastructure updates.
- Guided transition from monolith to agile microservices architecture via Kafka consumer model on ECS, reducing operational complexities by 40% and improving response times by 30%.
- Innovated cost-effective CI/CD enhancement through custom GitLab runners with AWS Spot instances, achieving an 80% cost reduction while maintaining high-performance standards.
- Implemented an optimized internal access solution through a dedicated CLI tool and fortified private bastion utilizing AWS SSM, resulting in a decrease of unauthorized access incidents and enhancing operational efficiency by 40%
- Drove streamlined load testing and QA automation by developing automated scripts with K6, validating system performance across diverse workloads and automating QA procedures, leading to a 50% reduction in testing duration.
- Enhanced team efficiency through comprehensive training in Agile and DevOps principles, resulting in streamlined workflows and faster development cycles.

Cloud Architect BitOGenius | New York City, NY   Jan 2021 - May 2021

- Streamlined provisioning by converting code to Terraform, ensuring standardized, error-free deployment.
- Enhanced remote productivity with custom VPN (Pritunl), enabling secure, efficient connectivity.
- Achieved 100% uptime during updates via blue-green process with AWS CodeDeploy.
- Delivered a robust 3-tier architecture, fully meeting client needs and achieving flawless deployment, driving satisfaction.

Education

Master of Science in Computer Systems,   **GPA: 3.5/4**
Northeastern University | Boston, MA   Graduated Dec 2020
Bachelor of Science in Electronics and Communications,   **GPA: 3.6/4**
SRM University | Chennai, TamilNadu, India   Graduated May 2018

Certifications

- Certified Kubernetes Application Developer (CKAD)   Aug 2023 - Aug 2026