



# HARI KOUSHIK G

SITE RELIABILITY ENGINEER II

## ABOUT

Critical thinking DevOps Engineer with extensive understanding of high availability architecture and concepts. Enthusiastic, and eager to contribute to team success through hard work. Motivated to learn, grow and excel. Worked on network topology, Firewalling, CI-CD tools, SIEM, SAST, DAST, NDR, and XDR tools, also implemented various security measures and best practices through out organization.

## TOOLS & TECHNOLOGIES KNOWN/USED

- Security Information and Event Management.
- CI/CD: Jenkins, Argo CD, Concourse, Gitlab runners.
- CWPP: CrowdStrike, Lacework.
- Network (TCP/IP): AWS Network firewall, Palo Alto, WAF, API security.
- Orchestration: Puppet, Ansible, terraform.
- Hunt Tools: Wireshark, BurpSuite
- Penetration Testing: NMAP, Metasploit, Nessus
- Ticketing tool: ServiceNow
- Basic Tools in Networking
- REST API
- ShellScripting

## WORK EXPERIENCE

### Site Reliability Engineer II

- Configured AWS WAF and CloudFront WAF using terraform.
- Migrated log-Ingester and Prometheus to use graviton2 processors, including changing the architecture for all the residing apps.
- Migrate Build infrastructure to use Kubernetes, by creating eks cluster and creating Helm charts for all existing applications.
- Integrate GitHub Advanced Security roll-out (SAST Tool) for all the repos under the Org.
- Integrated Lacework docker image scanner as a mandatory step in CI/CD pipeline.
- Automated Scheduled instance re-rolling to use latest AMI and redeploy the applications to remove known vulnerabilities using step functions.
- Integrated CrowdStrike and lacework as CWPP for all platforms.
- Brought in Argo-CD to reduce build environment management hassle.
- Introduced IRSA, and implemented the same all over the organization to remove the usage of access and secret keys inside k8s applications.
- Integrated AWS network firewall, by re-structuring the network architecture, with zero downtime.
- Other maintenance tasks - upgrading postgres DB, security patching, Opensearch upgrading and management.

## OPERATING SYSTEMS

- Windows
- MacOS
- Linux (Ubuntu/Kali Linux/Parrot OS)

## PERSONAL SKILLS

Creative spirit  
Reliable and professional  
Team player  
Fast learner  
Strong Analytical and Problem solving skills

## HOBBIES

- Bike Riding
- Kick Boxing
- Travelling

### DevSecOps Engineer @ Harman Connected Services

- Monitored automated build and continuous software integration process to drive
- build/release failure resolution.
- Automated and implemented backup and recovery procedures for EC2 Instances.
- Implemented new software applications and operating system rollouts across the business enterprises, including Web Application Firewall(WAF)and CloudFront.
- Quickly learned new skills and applied them to daily tasks, improving efficiency and productivity.
- Increased customer satisfaction by resolving Latency issues by implementing CloudFront.

### Projects in Harman

- Created Production environment for Catalyst project using terraform, Kubernetes, and Jenkins.
- Introduced and developed a monitoring stack for Kubernetes and other AWS resources like SQS, Lambda, and API gateways.
- Introduced Web Application Firewall to all the Web applications and reduced 20% downtime caused due to cyber attacks
- Migrated Non prod and Prod applications to AWS using terraform.

## EDUCATION

### BACHELOR OF ENGINEERING

Department: Electronics & Communication  
College: Siddaganga Institute of Tehnology, Tumkur, India  
Passed out in Year : 2018

## SKILLS

- Security Incident Response
- Familiar with OSI layers, TCP/IPsuite, Ports & Protocols.
- Familiar with security solution like Firewall, IPS/IDS, Proxy, web server,application server, mail server,Active Directory, DNS.
- AWS, Terraform
- Kubernetes, Docker
- Unix/Linux, GIT
- Cyber Security
- Configuration Management
- Python
- Apache and Nginx
- Agile

## LANGUAGES KNOWN

- ENGLISH
- HINDI
- KANNADA

## CONTACT

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E: harikoushik.aj@gmail.com  
github: <https://github.com/ajkoushik>  
LinkedIn:

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## BLOGS AND CONFERENCES

- Wrote a medium blog on AWS network firewalling.  
<https://medium.com/p/9d61c4411188>
- Attended Techspark 2022 conference on trending technologies.
- Was part of SRE-Con by google at Munich in 2022.

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## CERTIFICATIONS

- Python Programmer
- AWS ECS & VPC training
- Kubernetes training
- Linux training
- Cyber Security Certified
- AWS
- Network Firewalling

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## AWARDS

- Best of the Best student of the year award from Technoshepere in 2018.
  - Legend Of the Month December 2019 from Harman Connected Services.
  - MVP of the Quarter Q4 2022 by Sixt R & D.
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