

Karamveer Singh

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Summary:

AWS Certified SysOps Administrator - Associate, have Knowledge in Docker, Linux, OpenStack, Kubernetes, Python, Moodle, Zoho Workdrive, Zoho CRM, Zoho Subscription, Zoho Desk etc.

Education:

- **Bachelor of Technology in Electronics and Communication Engineering**
Guru Nanak Dev University, Amritsar, Punjab, India
- **Master of Science in Electrical Engineering**
San Jose State University, San Jose, CA, United States

Certification and Trainings:

- AWS Certified SysOps Administrator – Associate
- Internship at Abhyaz from MTAB Technology Center

Skills:

- **Operating System:** Linux, Windows
- **Container Runtime:** Docker
- **Container Registry:** DockerHub, Private
- **Cloud:** AWS, OpenStack
- **Programming Language:** Java, Python, html, CSS
- **Web application tools:** Figma, Anima
- **Container Orchestration:** Kubernetes, Gardener
- **SCM:** Git

- **Configuration Management:** Puppet
- **Networking:** TCP/IP, UDP, DNS, Routing, Subnetting, Routing Protocols: BGP, OSPF, EIGRP, RIP, HTTP, LAN/WAN and Wireless Technologies, Ethernet, spanning Tree, IPv4/v6, Token-Ring, VLAN's, OSI layers functioning, DHCP, ICMP, DNS, ARP, Multicast, Broadcast, NFS, SMB, FTP, SaaS, PaaS

Experience:

Micro Focus

CI/CD Engineer

Abhyaz from MTAB Technology Center Private Limited

System Admin (Intern Lead)

Projects or Tasks:

- Isolation in Layer-Wise Encryption in Docker: The topmost layer of docker was extracted, encrypted, signed at source side using AES 256, ECDSA.
- Extracting Hacker news automation
- Wrote some points regarding Backup of Kubernetes cluster using Velero tool
- Wrote script whose objective is to:
 - Create a s3 bucket in AWS Console.
 - Create an object inside the bucket, ex. Hello.txt, with some random content in it.
 - List the content of the bucket.
 - Now create a condition to check if a value(filename) passed by the user present inside the bucket.
 - If the file exists, prompt the user that the file exists and download the file in your local system.
 - If the file does not exist, then prompt the user that the file does not exist and upload the object with the same name in the s3 bucket.
- Run an Nginx docker container and host a static HTML page with any content. Utilize docker volume to implement the above. (Done using Docker and Kubernetes)