

Nihal Shardul

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CAREER SUMMARY

I am an experienced Infrastructure Engineer with over 4 years of expertise in cloud technologies and security. I hold an AWS certification and have a proven track record in CI/CD, configuration management, and Linux administration. My passion for optimizing processes has led to significant improvements in operational efficiency and cost reduction in infrastructure setups.

TECH-STACK

Cloud Technology: AWS(EC2, Load Balancer, VPC, S3, Route 53, ECS, EKS, CloudWatch, CloudTrail, IAM, Lambda, SNS, SES)
DevOps: Python, Bash, Git, Gitlab, Jenkins, Terraform, Ansible, Docker, Kubernetes, Prometheus, Grafana, Zabbix, Patchman

EDUCATION

Savitribai Phule Pune University **Graduated: Mar 2020**
MCA, Department of Computer Science (CGPA: 6.2)

CERTIFICATIONS

AWS Certified Solutions Architect Associate **Achieved Nov 2022**
Cyber Security Foundation Professional Certificate - CSFPC **Achieved Jan 2021**

PROJECTS

Deploy two tier application

- Deployed and hosted a highly available two tier application using Amazon EKS, Load Balancer and Route 53.

Configure VPN to make Infrastructure Secure

- Configure Public-Private cloud architecture and ensure all servers are accessible only to specific users, with no public access. All users should connect to VPN, to access vm.

WORK EXPERIENCE

QiO Technologies Pvt. Ltd. **Jun 2020 - Nov 2024**
Infrastructure Engineer(Cloud and Security) (Pune, India)

- Designed, deployed, and managed AWS Public-Private cloud infrastructure, utilizing EC2, VPC, Gateway Endpoint, S3, Route 53, and IAM, resulting in a 40% improvement in operational scalability and a 60% reduction in costs.
- Led infrastructure provisioning and management using Terraform, automating the creation of cloud resources and maintaining version control of infrastructure configurations.
- Built and maintained robust CI/CD pipelines for foresight-suite project using GitLab and Jenkins, streamlining application deployment and reducing release times by 40%
- Developed Bash scripts to automate routine AWS snapshot maintenance task activity and reduce AWS cost by 20%.
- Implemented Ansible playbooks for configuration management, reducing manual setup time by 30% and improving system consistency.
- Deployed and managed Docker containers, and orchestrated containerized applications using Kubernetes in on-prem and on-cloud environments with deployment efficiency and enabling seamless scalability.
- Implemented comprehensive monitoring solutions with Prometheus and Grafana which monitor our Application and Kubernetes cluster, which provides real time results.
- Deployed Zabbix as our Infrastructure monitoring solution, which provides real time results and trigger alerts for any downtime.
- Deployed osTicket as our Ticket Management System which reduces the track request by 70% and improves operational workflow by 90%.
- Implemented patch management tools like Patchman and Rudder, resulting in identifying, testing, and deploying software patches across systems to improve security, performance, and compliance.

kPoint Technologies Pvt. Ltd. **Jun 2019 - Dec 2019**
Software Associate (Intern) (Pune, India)

- Managed AWS resources including EC2 instances, S3 buckets, RDS databases, and VPCs, ensuring security, scalability, and high availability.
- Automation for Podcast feature and Webex.
- QA testing for the whole web application.

SKILLS

Technical Skills

- Networking and troubleshooting
- System Administration
- AWS
- Python
- Security

Interpersonal Skills

- Feedback Receptive
- Effective Communicator
- Highly Adaptable