

# Sayali Upasani

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## Summary

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Site Reliability Engineer with nearly a decade of experience designing, scaling, and operating mission-critical cloud platforms. Background in network engineering with a progression into platform and reliability engineering, driven by a passion for automation and continuous learning. Deep expertise in Kubernetes, AWS, and Terraform, building resilient systems that improve developer productivity and enable teams to ship reliably at scale.

## Experience

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### Infrastructure Engineer II, Angi

June 2022 – Jan 2026

- Served as a technical owner for Amazon EKS platforms, defining GitOps-based deployment standards, upgrade strategies, and observability practices to deliver secure, resilient Kubernetes infrastructure for production workloads.
- Architected and executed a Karpenter upgrade initiative by identifying critical version incompatibilities and building automated, pre-validated upgrade workflows, reducing upgrade risk by 80% and enabling safe cluster modernization
- Led enterprise DNS migration from on-prem Infoblox to AWS Route53, designing scalable cross-account DNS architecture for multi-cluster EKS environments using Infrastructure as Code, improving reliability and reducing operational overhead
- Orchestrated migration of 150+ legacy Java applications from Ubuntu to Bottlerocket on EKS, reducing operational overhead by 40%, strengthening security posture, and maintaining cgroup v1 compatibility for legacy workloads
- Modernized content delivery infrastructure by migrating Apache-based VM workloads to Cloudflare and S3, reducing infrastructure costs by 60% and enabling Kubernetes migration of Scala applications to improve scalability and resilience
- Drove Infrastructure as Code adoption for Cloudflare by developing reusable Terraform modules and an automated IP monitoring system using AWS Lambda and Secrets Manager, reducing configuration errors by 90% and preventing production incidents caused by IP allowlist drift
- Led exploratory platform research on synchronizing Backstage metadata with AWS tags and Kubernetes labels, improving cost attribution and FinOps visibility through consistent resource tagging.

### Production | DevOps Engineer, Dyspatch – Victoria, BC, Canada

Oct 2021 – June 2022

- Orchestrated containerized application deployments to Kubernetes using Helm charts and Rancher, enhancing platform scalability and application reliability.
- Built and maintained robust CI/CD pipelines with Jenkins and GitHub Actions, streamlining the delivery process and enabling faster feature releases.
- Managed cloud infrastructure as code using Terraform, establishing consistent and repeatable provisioning across multiple AWS accounts.
- Secured critical AWS infrastructure access by implementing Aviatrix VPN solutions, providing secure remote access for distributed engineering teams.
- Executed planned Kubernetes cluster upgrades, improving overall platform stability and unlocking new features for developer productivity.

### Site Reliability Engineer, Bambora – Victoria, BC, Canada

Jan 2020 – Oct 2021

- Led a critical datacenter migration by designing a resilient network architecture focused on high availability and cross-datacenter redundancy, ensuring a zero-downtime transition.
- Drove the adoption of Infrastructure as Code (IaC) by migrating legacy network configurations (firewalls, switches, load-balancers) to Ansible, eliminating manual configuration drift and enabling rapid, repeatable network changes.
- Modernized the observability stack by establishing centralized monitoring and alerting with the Elastic Stack, providing deep visibility into infrastructure health and reducing time to resolution.
- Bridged the gap between traditional networking and reliability engineering, optimizing infrastructure performance while reducing overall operational costs.

### **Network Engineer | Premium Engineer, Radware – New Jersey, USA      Nov 2015 – Apr 2019**

- Designed, implemented, and troubleshooted complex network topologies for large-scale enterprise customers, maintaining high availability and strict reliability standards for mission-critical infrastructure.
- Led Proof of Concept (PoC) initiatives and designed network architectures to optimize performance, significantly reducing network downtime and enhancing overall system efficiency.
- Diagnosed and resolved intricate network issues by simulating production environments in lab settings, drastically reducing time-to-resolution and minimizing business impact.
- Engineered Layer 3 security configurations and implemented software-defined solutions for behavioral DoS mitigation, preventing service disruptions and protecting millions in potential revenue.

## **Education**

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**NYU Tandon School of Engineering, MS in Computer Engineering – Brooklyn, NY, USA**      Aug 2013 – May 2015

## **Skills**

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**Cloud Infrastructure:** AWS

**Container and Platform Engineering:** Kubernetes, Helm, Karpenter, Rancher, Docker, Crossplane

**Infrastructure as Code and Automation:** Terraform, Terragrunt, Ansible, Packer, reusable module design

**CI/CD & GitOps:** FluxCD, ArgoCD, GitHub Actions, Jenkins, GitLab Actions, TravisCI

**Observability & Reliability:** DataDog, ELK Stack (Elasticsearch, Logstash, Kibana), Vector, Loki, PagerDuty, Incident Management

**Networking & Security:** TCP/IP, DNS, Load-Balancers, WAFs, Firewalls, DoS Mitigation, OAuth2, SAML, Keycloak

**Programming and Scripting:** Python, Bash, Go

## **Certifications**

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**CCNA R&S:** Cisco Certified Network Associate Routing and Switching. [#CSC012790927]

**CCNA Security:** Cisco Certified Network Associate Security. [#CSC012790927]

## **Recommendations**

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Professional recommendations available on [LinkedIn](#)