Akash Pawar

in akash202k 🌐 akash.dayxcode.com 📞 +91-9346706296 ✉ akashpawar202k@gmail.com

Summary

AWS Certified Solutions Architect, Certified Kubernetes Administrator (CKA), and DevOps Engineer with 2+ years of experience in AWS, Azure, and Kubernetes. Expertise in microservices architecture, CI/CD optimization, and ensuring 99.9% uptime. Proficient in Python automation, Terraform IaC, and Kubernetes orchestration. Skilled in GitOps with Argo CD for reliable, cost-efficient deployments. Strong problem-solving and analytical skills.

Experience

DevOps Engineer   **Dec 2022 – Current**
Trames Private Limited   *India, Remote*

- Led two major **cloud migration** projects, successfully migrating workloads from AWS to Azure, optimizing performance, and reducing infrastructure complexity.
- Implemented **cost optimization strategies**, reducing cloud expenses by **35% ($5,500/month)** through **autoscaling, reserved instances, and right-sizing resources**.
- Managed and optimized **Kubernetes clusters (EKS, AKS)**, performing version upgrades, security patching, and scaling optimizations for high-availability applications.
- Implemented **GitOps with ArgoCD**, automating Helm-based deployments, reducing downtime by **60%**.
- Implemented **security best practices**, enforcing **IAM policies, RBAC, and PodSecurityPolicies** to enhance cloud and Kubernetes security.
- Developed and automated cloud infrastructure using **Terraform and AWS CDK**, ensuring consistency and scalability.
- Built **CI/CD pipelines** using **GitHub Actions, AWS CodePipeline, and Azure DevOps**, reducing deployment time by **60%**.
- Implemented an **observability stack** using **Prometheus, Grafana, AWS CloudWatch, Elasticsearch, and Kibana**, improving monitoring and log analysis.
- Defined **SLIs/SLOs** for proactive alerting, reducing **mean time to detect (MTTD) by 40%**.
- Developed **Python-based automation tools**, leveraging **Boto3** for AWS resource automation, reducing manual operational tasks by **30%**.
- Led **post-incident analysis (RCA)**, improving system reliability and ensuring **99.9% uptime** for critical applications.
- Optimized **AWS Spot Instances** for fault-tolerant applications, reducing compute costs by **66%** while maintaining scalability.
- Set up **NGINX as a reverse proxy**, optimizing traffic routing and enhancing application performance.
- Managed database infrastructure on **Azure PostgreSQL Flexible Servers**, ensuring high availability and data integrity.
- Designed **AWS-Azure networking** using **VPC/VNet Peering, Security Groups, NACLs, and VPNs**, improving cross-cloud connectivity.
- Configured **AWS Transit Gateway** for hybrid cloud networking, simplifying multi-account and multi-cloud communication.
- Configured **AWS GuardDuty and Security Hub** for proactive threat detection and security monitoring.
- Integrated **automated security scans and compliance checks** into CI/CD workflows to improve deployment security.

Skills and Expertise

- **Cloud & DevOps:** AWS, Azure, Kubernetes(EKS, AKS), Docker, Helm, NGINX, OpenVPN

- **Infrastructure as Code:** Terraform

- **CI/CD & GitOps:** ArgoCD, GitHub Actions CI/CD, AWS CodePipeline, AZURE Pipeline, Azure DevOps

- **Networking & Security:** VPC, Security Groups, NACLs, Load Balancers (ALB, NLB), IAM Policies, VPN, Azure VPC, Azure API Management

- **Programming & Automation:** Python, Bash

- **Monitoring & Observability:** CloudWatch, Logzio, Prometheus, Grafana, ElasticSearch, Kibana, tracing(learning)

- **Databases & Messaging:** PostgreSQL, MongoDB, Redis, Kafka (learning)

- **Web Technologies:** NodeJs/Express, ReactJs/NextJs, javascript/Typescript

Certifications

- Certified Kubernetes Administrator (Verification Link: [click here](#))

- AWS Solutions Architect (Verification Link: [click here](#))

- AWS Certified Developer (Verification Link: [click here](#))

Education

MITAOE   **2019 − 2023**
B.Tech in ENTC with specialization in cloud computing   *Pune, India*