Prakash Khadka

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Experienced Senior DevOps Engineer

Experienced Senior DevOps Engineer with over six years of expertise in cloud infrastructure, automation, and SRE practices. Specializing in building scalable, resilient systems using Kubernetes, Terraform, and CI/CD pipelines. Extensive hands-on experience in cloud environments (GCP, AWS) and ensuring production readiness for global services. Adept at incident management and optimizing service performance through proactive monitoring and automation. Certified in security (CEH, OSCP), with a strong focus on secure DevOps practices.

WORK EXPERIENCE

FreshBooks • Canada • 07/2021 – Present
Senior DevOps Engineer

- Architected and deployed highly available cloud infrastructure on GCP using Terraform and Kubernetes.
- Integrated comprehensive monitoring and logging systems using Datadog, leading to improvement in response times for critical incidents.
- Developed a bash script to streamline development processes, significantly easing workflows for the development team.
- Created Dockerfiles incorporating best practices for optimized containerization, ensuring seamless deployment on Kubernetes.
- Proactively reduced security vulnerabilities by automating system audits and implementing infrastructure security policies, leveraging Cloud Armor.
- Integrated Fastly CDN and Varnish to enhance global web application performance, resulting in improved KPIs such as reduced latency and faster load times for international users.
- Developed fully automated deployment pipelines, streamlining the production release process and ensuring faster, more reliable software updates.

Nepallink • Kathmandu, Nepal • 03/2014 – 12/2020
DevOps Engineer

- Automated the migration of legacy infrastructure to Kubernetes in AWS.
- Developed infrastructure-as-code (IaC) templates using Terraform and CloudFormation to standardize the deployment of cloud resources across multiple environments.
- Led the implementation of robust monitoring for production.
- Introduced security-focused development practices, integrating regular security scans (SonarQube).

EDUCATION

Bachelor in Computer Engineering
Purbanchal University • Biratnager, Nepal

CERTIFICATIONS

Certified Kubernetes Administrator (CKA)

Certified Ethical Hacker (CEH)

Offensive Security Certified Professional (OSCP)

HashiCorp Certified : Terraform Associate

Red Hat Certified Engineer (RHCE)

SKILLS

Automation & Scaling, Autoscaling, Availability, AWS, Bash, BitBucket, CDN & Caching, CEH, Certified Ethical Hacker (CEH), Certified Kubernetes Administrator (CKA), CI/CD, CircleCI, CIS hardening, Cloudflare, CloudFormation, Cloud Platforms, Containerization & Orchestration, Datadog, Docker, Github Action, Google Cloud Platform (GCP), Grafana, Helm, Icinga, Infrastructure as Code, Jenkins, Kubernetes, Monitoring & Observability, Nagios, NGINX, OSCP, Programming & Scripting, Prometheus, Python, Red Hat Certified Engineer (RHCE), Root Cause Analysis (RCA), Security, Self-healing Systems, Service-Level Objectives, Terraform, Varnish