

Alex Harrison

Senior DevOps Engineer

Summary

Results-driven Senior DevOps Engineer with over 8 years of experience in automating, scaling, and optimizing mission-critical cloud infrastructures. Expert in Infrastructure as Code (Terraform), Container Orchestration (Kubernetes), and CI/CD pipeline design. Proven track record of reducing deployment times by 60% and improving system reliability to 99.99% uptime.

Experience

Professional

2020–Present **Senior DevOps Engineer**, *TechCloud Solutions*

- Designed and implemented a multi-region AWS infrastructure using Terraform and CloudFormation, supporting 1M+ active users.
- Orchestrated the migration of 50+ microservices from legacy EC2 instances to Amazon EKS (Kubernetes), reducing infrastructure costs by 30%.
- Developed automated CI/CD pipelines using Jenkins and GitLab CI, integrating automated security scanning (SonarQube, Snyk) and unit testing.
- Implemented comprehensive monitoring and logging solutions using Prometheus, Grafana, and ELK Stack (Elasticsearch, Logstash, Kibana).

2017–2020 **Site Reliability Engineer**, *DataFlow Systems*

- Managed high-availability PostgreSQL and MongoDB clusters, ensuring zero-downtime migrations.
- Developed Python and Go-based CLI tools to automate repetitive sysadmin tasks, saving approximately 15 hours of manual work per week.
- Led the incident response team and implemented "Post-Mortem" culture to identify root causes and prevent recurrence of system failures.
- Optimized Docker image build processes, reducing image sizes by 45% and speeding up deployment cycles.

2015–2017 **Junior Systems Administrator**, *StartUp Hub*

- Maintained Linux-based server environments and handled daily backup procedures.
- Configured Nginx and Apache web servers for high-traffic applications.
- Assisted in the initial transition from on-premise hardware to AWS cloud.

Technical Skills

Cloud	AWS (Certified Pro), Azure, Google Cloud Platform (GCP)
IaC	Terraform, Ansible, CloudFormation, Pulumi
Containers	Kubernetes (EKS, GKE, K3s), Docker, Helm, Istio Service Mesh
CI/CD	Jenkins, GitHub Actions, GitLab CI, CircleCI, ArgoCD
Languages	Python, Go, Bash Shell Scripting, Groovy

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Monitoring Prometheus, Grafana, Datadog, ELK Stack, New Relic
Security HashiCorp Vault, OAuth2, TLS/SSL Management, AWS IAM

Education

2011–2015 **B.S. in Computer Science**
Specialization in Distributed Systems and Networking.

Certifications

2022 AWS Certified DevOps Engineer – Professional
2021 Certified Kubernetes Administrator (CKA)
2020 HashiCorp Certified: Terraform Associate

Languages

English	Native	<i>Professional fluency</i>
French	Advanced	<i>Professional fluency</i>