Lawrence Lucas

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DevOps Engineer

Experienced DevOps engineer adept at implementing robust CI/CD pipelines, infrastructure automation, and monitoring solutions. Skilled in leveraging tools like Jenkins, Docker, Kubernetes, Terraform, Ansible, Prometheus, and more to optimize and scale infrastructure.

Technical Skills

CI/CD, Jenkins, CircleCI, TravisCI, GitLab, Bitbucket, CodePipeline, Pipeline automation, Infrastructure as Code, Terraform, CloudFormation, Ansible, Chef, Puppet, Docker, Docker Compose, Docker Swarm, Kubernetes, EKS, ECS, Rancher, Monitoring, Datadog, ELK stack, Prometheus, Grafana, Nagios, CloudWatch, Logging, Confluent Platform, Apache Kafka, Logstash, Automation, Python, PowerShell, Bash, Infrastructure provisioning, Configuration management, Microservices, Distributed systems, Load balancing, Caching, Messaging, AWS, VPC, EC2, S3, RDS, Azure, AKS, GCPGKE

Professional Experience

DevSecOps Engineer | HP, May 2020 – Present

- Architected and implemented robust CI/CD pipelines for critical applications, drastically reducing deployment time from hours to minutes.
- Pioneered the GitOps workflow with FluxCD, ensuring declarative infrastructure and app deployments on Kubernetes.
- Implemented Docker and Kubernetes for container management and orchestration.
- Innovated by building reusable infrastructure modules with Terraform, simplifying the provisioning of VPCs, networks, and load balancers on AWS.
- Established centralized logging, monitoring, and alerting using ELK stack and Prometheus, enhancing system visibility and proactive issue resolution.
- Integrated security scans, audits, and checks into pipelines, ensuring robust security posture for applications.

DevOps/ Release Engineer | Comerica Bank, Jan 2018 – May 2020

- Engineered automated CI/CD pipelines, resulting in a significant reduction of release cycles from monthly to weekly.
- Successfully migrated legacy systems to AWS services (EC2, S3, RDS, VPC), enhancing scalability and reliability.
- Managed Ansible playbooks and roles for configurations, maintaining consistent and efficient system setups.
- Spearheaded the creation of shared infrastructure pipelines using Spinnaker, enabling streamlined and collaborative deployment processes.
- Implemented centralized logging with ELK stack, empowering comprehensive monitoring and analysis capabilities.

IT Operations Engineer, SLB (Feb 2016 - Dec 2018)

- Managed servers and workstations across Linux and Windows.
- Upgraded systems, deployed servers, resolved hardware issues.
- Provided technical support for systems administration.
- Automated scripts to enhance system stability.

Education

- BS, Engineering, Texas Southern University
- MS, Management and Information Systems, Lamar University
- Bootcamp, DevOps, Techworld

Certifications

- AWS Certified Solutions Architect - HashiCorp Certified Terraform Associate - Certified Kubernetes Application Developer