Arno Alford
DevOps Engineer

Personal Info

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GitHub

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Skills

Cloud Platforms

AWS Cloud   Azure

Infrastructure as Code

Ansible   Chef   GitOps

CI/CD

GitHub Actions   Jenkins

Scripting Languages

Python   Ruby

PowerShell   Bash

Containers & Orchestration

Kubernetes   Docker

Linux

Agile & DevOps Practices

Automation   Scalability

High Availability   Monitoring

Security & Compliance

Thycotic   Vault

HIPAA

Professional Summary

Skilled DevOps and Site Reliability Engineer with over 7 years of experience specializing in Kubernetes orchestration, Amazon cloud architecture, and security credential automation. Demonstrated technical expertise in CI/CD pipeline development, containerization, configuration management, and infrastructure automation. Proven ability to drive efficiency, improve scalability, and support cross-functional teams in dynamic, fast-paced, production environments.

Work Experience

Senior DevOps Engineer
Claritev - June 2021 - Present

Responsibilities

- Built Jenkins automation pipelines concerning application deployments, secret retrieval, and infrastructure automation.
- Developed and maintained Kubernetes manifests and Helm Charts.
- Worked with application teams to optimize Docker containers.

Achievements

- Served as Azure Cloud Administrator, supporting application teams during migration and modernization projects.
- Led adoption of secret automation and acted as liaison between security and infrastructure.

DevOps Engineer
Protolabs - September 2019 - June 2021

Responsibilities

- Automated infrastructure deployments and credential security using Chef and Thycotic Secret Server.
- Wrote and supported platform automation across numerous Chef cookbooks.
- Led environment-wide data migration and refresh efforts.
    - Managing application deployments and problem resolution.
    - Building production database deployment pipelines
- Managed and wrote numerous AWS code pipelines and configurations.

Achievements

- Headed efforts for company-wide secret rotation.

Site Reliability Engineer
Surescripts - January 2019 - September 2019

Responsibilities

- Built and managed Jenkins pipelines supporting multiple agile teams and deployment environments.
- Introduced Ansible automation for provisioning, configuration, and patch management across hybrid infrastructure.
- Implemented observability pipelines and smoke tests to ensure system reliability and quick feedback loops.

Achievements

- Spearheaded efforts to bring infrastructure as code to networking.

Education

BS in Management Information Systems
California State University, Long Beach   Graduated: Dec 2018

Certificates

Certified Kubernetes Administrator (CKA)
Proven in a proctored exam the ability to:

- Build and automate **Kubernetes** infrastructure using **Terraform, Helm, and Infrastructure-as-Code (IaC)** workflows to support consistent deployments.
- Strengthen operational reliability by configuring **health checks, probes, autoscaling,** and resource limits/requests for optimized performance.
- **Troubleshoot** issues at scale, diagnosing issues involving Pods, nodes, networking, storage and core Kubernetes components.

CertificateID: LF-sodndc5kj7

AWS Certified Developer – Associate
Proven in a proctored exam the ability to:

- Design and develop **AWS-native applications** using core services such as **Lambda, DynamoDB, S3, API Gateway, and SNS/SQS**.
- Automate environment provisioning with **Infrastructure-as-Code tools** like **CloudFormation and AWS SDK.**
- Secure applications using **KMS encryption**, secrets management, and secure parameter storage technologies.

CertificateID: 22b593365b504405b4e04af611b40694

AWS Certified Machine Learning – Associate
Proven in a proctored exam the ability to:

- Deploy **MLOps** pipelines using **AWS SageMaker** for scalable model training and inference.
- Master data preprocessing and **ETL pipelines** with **AWS Glue, Spark on EMR**, and **Data Wrangler** processing jobs.
- Optimize **LLMs** through fine-tuning and hyperparameter optimization.

CertificateID: eda6ad5902f44adfbc302925ab293bd8

AWS Certified AI Practitioner
Proven in a proctored exam the ability to:

- Utilize **Python scripting** for data preprocessing and feature engineering in **Machine Learning (ML) workflows**.
- Understand the fundamentals of **Generative AI** and **RAG techniques** within **AWS Bedrock** to enhance content generation.

CertificateID: ba7d834bba8b42a09ba0bd8b40cd1061

AWS Certified Cloud Practitioner
Proven in a proctored exam the ability to:

- Design scalable and cost-efficient cloud solutions using core AWS services like **EC2, S3, ECS, Lambda, and VPC**.
- Optimize **Identity and Access Management (IAM)** for managing secure authentication, authorization, and least-privilege access.

CertificateID: 3bba10f86b9747de8eed89ff24504da