Contact

dave@happypathway.com

www.linkedin.com/in/dave-arnold-111b3534 (LinkedIn)

Top Skills

Github Actions

GitHub

Resource Allocation

Honors-Awards

2016 AppDynamics DreamTeam
Hackathon Winner

Dave Arnold

Infra Architect
San Francisco Bay Area

Summary

Cloud & DevOps Architect | Terraform & IaC Specialist | CI/CD
Automation Expert

Seasoned Cloud Infrastructure Architect with a passion for designing
scalable, secure, and cost-efficient cloud solutions. Over a decade
of experience leading DevOps transformations, automating
infrastructure with Terraform, Kubernetes, and AWS, and driving
best practices in Infrastructure as Code (IaC), CI/CD, and Cloud
Security.

Proven track record of implementing self-service infrastructure,
optimizing cloud spend, and architecting robust multi-cloud
deployments using AWS, GCP, and Azure. Adept at working with
cross-functional teams to align DevOps strategies with business
goals, ensuring seamless cloud migrations and high-performance
environments.

Core Expertise:
Terraform, Kubernetes, Ansible, Helm
AWS, GCP, Azure | Cloud Security & Compliance
CI/CD Pipelines (GitHub Actions, Jenkins, ArgoCD)
HashiCorp Vault, Consul, Packer
Cost Optimization & Cloud Governance

Always seeking innovative ways to streamline infrastructure,
enhance security, and empower engineering teams through
automation. Open to full-time roles, leadership opportunities, and
consulting engagements.

Experience

FedSoft, Inc
Sr. Cloud SME
December 2023 - Present (1 year 5 months)

Led cloud modernization efforts, automating infrastructure provisioning and governance for multiple teams.
Designed and implemented scalable, multi-cloud architecture using Terraform, AWS, and Kubernetes, reducing provisioning times by 80%.
Developed reusable Terraform modules, enforcing best practices and compliance across environments.
Integrated GitHub Actions-based CI/CD pipelines, enabling teams to deploy infrastructure changes 5x faster while ensuring security through automated policy enforcement.
Implemented automated security controls using HashiCorp Vault, AWS IAM, and Sentinel, reducing misconfigurations and improving compliance with SOC 2 and FedRAMP.
Optimized cloud cost management, leveraging right-sizing, autoscaling, and AWS Cost Explorer to reduce monthly spend by 30%.
Collaborated with cross-functional teams to establish cloud governance policies, aligning infrastructure standards with business objectives.

HappyPathway
Chief Solutions Architect
October 2016 - Present (8 years 7 months)
San Francisco Bay Area

Architected self-service infrastructure using Terraform Enterprise, Packer, and Ansible, enabling engineering teams to deploy environments 5x faster.
Designed and deployed cloud-agnostic Kubernetes solutions, reducing vendor lock-in and improving scalability.
Implemented DevSecOps practices, improving compliance with SOC 2 and ISO 27001 security standards.
Led migrations to AWS, GCP, and Azure, helping clients reduce cloud costs by 30% through right-sizing and automation.

Clover
Infra Architect
December 2020 - December 2023 (3 years 1 month)
San Francisco Bay Area

Led the design and deployment of scalable, secure, and high-performance cloud infrastructure to support critical applications.
Developed a standardized Infrastructure-as-Code (IaC) framework using Terraform and AWS, enabling rapid infrastructure deployment while improving security and maintainability.

Architected Kubernetes-based container platforms, improving deployment efficiency and service reliability across multiple environments.
Integrated cost optimization strategies, using AWS Compute Savings Plans and auto-scaling techniques, reducing cloud spend by 40% without sacrificing performance.
Created a self-service infrastructure model, allowing teams to spin up fully compliant environments in minutes using Terraform Enterprise and AWS Service Catalog.
Led a cloud migration initiative, refactoring legacy applications for a cloud-native architecture, improving scalability and performance.
Implemented DevSecOps practices, embedding security scans into CI/CD pipelines and enforcing security policies using AWS Config and Sentinel.
Drove compliance efforts for SOC 2, PCI DSS, and ISO 27001, automating audits and security checks using Terraform and AWS Security Hub.
Provided technical mentorship, enabling engineering teams to adopt Infrastructure as Code (IaC) and modern DevOps methodologies.

HashiCorp
Sr. Solutions Engineer
June 2018 - December 2018 (7 months)
San Francisco

Delivered Terraform and Vault workshops to Fortune 500 companies, accelerating enterprise adoption.
Built scalable demo environments, improving pre-sales engagements and closing X deals worth $XM.
Served as a Terraform Enterprise SME, advising organizations on best practices for IaC adoption.

Building out Demo environments using Terraform, Vault, and Consul. Engaged with enterprise customers, driving the sale through technical discussions and workshops with high level executives. Subject Matter Expert for Terraform Enterprise.

AppDynamics
Sr. Site Reliability Engineer
March 2015 - October 2016 (1 year 8 months)
San Francisco Bay Area

Led production support and monitoring efforts, optimizing system reliability and proactively resolving issues across distributed cloud infrastructure.

Designed and automated deployment pipelines for a multi-tiered architecture, integrating ZooKeeper, Kafka, Elasticsearch, and custom API/ Indexer services, improving scalability and resilience.
Migrated configuration management from Ansible to Chef, enhancing consistency and maintainability across environments.
Spearheaded the development of an automated AWS AMI pipeline, leveraging Packer, Chef Provisioner, and ServerSpec, reducing manual image-building efforts by 80%.
Integrated Consul as a centralized configuration store for Terraform, eliminating hardcoded variables (e.g., AMI IDs, subnets, DNS zones), improving scalability and reusability of infrastructure code.
Established a Jenkins-driven CI/CD process that automatically triggers new AMI builds upon application updates, ensuring fast, consistent, and compliant infrastructure deployments.
Improved cross-team collaboration, enabling seamless adoption of Infrastructure as Code (IaC) principles and empowering teams with self-service cloud provisioning.

RetailNext
DevOps Engineer
June 2014 - March 2015 (10 months)
San Jose, CA

Architected and automated AWS infrastructure, reducing provisioning time by 50% through Infrastructure as Code (IaC) using Python (boto), Ansible, and Terraform.
Developed a scalable continuous deployment pipeline, automating AMI builds and YUM repository creation, ensuring seamless software releases with zero downtime.
Designed and implemented a real-time monitoring framework for 5,000+ servers and devices, leveraging OSSEC, Logstash, Redis, and Flask, improving incident detection and response times.
Built a custom multi-tenant monitoring backend, integrating MoogSoft with BMC RemedyForce, enabling automated incident creation and reducing MTTR (Mean Time to Resolution) by 30%.
Led a small team in developing an automated server provisioning system, integrating Ansible, Cobbler, MongoDB, and Redis, streamlining infrastructure deployment and device configuration.
Integrated cloud security best practices, enforcing compliance and improving system resilience across AWS-hosted environments.

Education

Musicians Institute
Recording Arts Technology/Technician · (2001 - 2003)

Santa Rosa Junior College