

Timothy York

Principal Cloud Infrastructure Engineer

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SUMMARY

Principal **cloud infrastructure** engineer with 15 years of experience designing, building, and operating secure **AWS** platforms at scale. Brings deep hands-on expertise across Terraform, CloudFormation, Python, Go, Java, Docker, Kubernetes, **Amazon EKS**, microservices, observability, disaster recovery, cloud security, compliance controls, and cost optimization. Led distributed cloud engineering teams through platform modernization, multi-region recovery planning, security assessments, and production operations. Translates business objectives into **architecture blueprints**, delivery roadmaps, and reliable operating models. Trusted by software engineering, DevOps, product, security, and compliance partners for clear technical decisions and steady execution. Ready to bring practical leadership, thoughtful mentorship, and resilient platform engineering to Summit Ridge Workforce Platforms and its people intelligence mission.

EXPERIENCE

Principal Cloud Infrastructure Engineer

Northstar Workforce Software 📅 June 2023 - Present 📍 Denver, Colorado

Set AWS platform direction for a multi-tenant workforce software portfolio, leading 11 cloud engineers through architecture planning, platform modernization, secure operations, and delivery improvements. Connected product growth, reliability, compliance, and cost objectives with practical engineering decisions.

- Set AWS platform direction for a multi-tenant workforce portfolio, translating growth forecasts and **reliability** objectives into a three-year architecture roadmap.
- Guided 11 cloud engineers through quarterly objectives, design reviews, feedback cycles, and individual development plans, strengthening ownership and technical consistency.
- Established reusable **Terraform** modules and **CloudFormation** patterns for networking, IAM, EKS, RDS, and observability, making infrastructure changes consistent and reviewable.
- Directed migration of customer-facing services into Docker-based **Kubernetes microservices** with progressive delivery controls and automated rollback paths, reducing release risk.
- Unified CloudWatch, Prometheus, and Grafana monitoring with service-level indicators, actionable alerts, and incident playbooks, giving production teams earlier signals.
- Partnered with **security** and compliance leaders on encryption, least-privilege access, audit evidence, vulnerability remediation, and recurring control assessments for sensitive workforce data.

Senior Cloud Infrastructure Engineer

Blue Mesa Digital Services 📅 March 2020 - May 2023 📍 Boulder, Colorado

Owned AWS architecture for more than 40 microservices supporting payroll and benefits workflows across customer environments. Combined **infrastructure-as-code**, Kubernetes standards, recovery engineering, automation, and cross-functional planning so teams could deliver dependable services with clearer operational controls.

- Owned AWS infrastructure architecture for 40-plus microservices supporting payroll and benefits workflows across multiple customer environments, balancing availability, security, and delivery speed.
- Replaced manually configured environments with Terraform pipelines and policy checks, making infrastructure changes traceable through code review and repeatable across accounts.
- Built **Amazon EKS** standards covering node lifecycle, ingress, secrets handling, workload isolation, and capacity planning, giving software teams a safer operating baseline.
- Developed **Python** and Go utilities for account **provisioning**, operational diagnostics, and automated recovery tasks, reducing ad hoc production intervention.
- Designed multi-region backup and recovery procedures for RDS, S3, and critical **configuration** stores, then validated recovery objectives through scheduled simulations.
- Worked with **DevOps**, application engineering, and product partners to sequence platform work, explain architecture tradeoffs, and remove infrastructure constraints from delivery plans.

Cloud Platform Engineer

Canyon Peak Analytics 📅 July 2017 - February 2020 📍 Fort Collins, Colorado

Built shared AWS services for a growing analytics platform and supported five product teams through repeatable environments, container adoption, monitoring improvements, security remediation, and technology evaluations. Served as a calm technical partner during platform growth and operational change.

- Built shared AWS services including **VPC** networking, **IAM** boundaries, autoscaling groups, load balancing, and managed databases, supporting platform growth with controlled access.

- Containerized **Java** and Python services with **Docker** and introduced Kubernetes deployment templates for health checks, resource requests, and environment configuration.
- Created Terraform modules and CloudFormation stacks for development, staging, and production, giving five **product teams** a common infrastructure foundation.
- Implemented **CloudWatch** dashboards, centralized logs, and alert routing, helping on-call engineers separate latency, capacity, and deployment signals.
- Partnered with security specialists to close access-control gaps, rotate secrets, strengthen encryption defaults, and document evidence for customer security reviews.
- Evaluated managed AWS services and open-source tools through proof-of-concept environments, recommending options that balanced operational simplicity, performance, and cost.

DevOps Engineer

Riverbend Commerce Technologies 📅 August 2014 - June 2017 📍 Kansas City, Missouri

Supported AWS environments for transactional web applications while moving delivery practices toward repeatable automation. Worked across development, quality, security, and operations groups to improve release readiness, container adoption, **monitoring**, and infrastructure control.

- Supported **AWS** environments for transactional web applications, improving deployment safety through automated build, test, and release workflows.
- Maintained Docker-based development images and introduced **Kubernetes** pilots for stateless services, documenting prerequisites that helped application teams adopt containers.
- Wrote **Python** automation for account setup, configuration validation, and routine maintenance, replacing error-prone manual runbooks with repeatable procedures.
- Applied **Terraform** to networking and compute resources while preserving **CloudFormation** templates for legacy services during a phased infrastructure transition.
- Added centralized metrics, log searches, and alert thresholds for customer-facing workloads, helping on-call staff distinguish application defects from platform conditions.
- Coordinated with developers, quality engineers, and security reviewers on release readiness, change records, incident follow-up, and remediation of infrastructure findings.

Cloud Operations Engineer

Granite Peak Software 📅 June 2011 - July 2014 📍 Omaha, Nebraska

Administered foundational AWS environments supporting SaaS applications and helped establish early standards for repeatable provisioning, container adoption, monitoring, backup verification, and security review. Built practical operating habits under senior engineering guidance.

- Administered AWS environments supporting SaaS applications across EC2, **S3**, **RDS**, VPC, IAM, and Elastic Load Balancing, keeping core services available for development teams.
- Built foundational **CloudFormation** templates for sandbox and test environments, shortening setup work for development and quality assurance teams.
- Created **Python** scripts for inventory reporting, backup verification, access reviews, and routine operational checks, giving engineers clearer control evidence.
- Supported Docker adoption for development and test workloads, documenting image conventions and troubleshooting container networking issues.
- Established CloudWatch dashboards and notification rules for availability, disk capacity, database health, and application error signals.
- Contributed to **disaster recovery** exercises, security hardening reviews, and post-incident documentation while building scalable cloud operations experience.

PROJECTS

Multi-Region Workforce Data Recovery Program 📅 2024

Created a recovery program for RDS, S3, and configuration stores across AWS regions. Recovery simulations gave engineering and compliance partners shared confidence in restoration decisions and sensitive data protection.

Kubernetes Platform Standardization 📅 2022

Established portable Docker and Kubernetes patterns for microservices, including ingress, secrets, health checks, resource controls, and rollback practices. Application teams gained a clearer path from development through production.

Cloud Cost and Reliability Governance 📅 2020

Introduced service ownership reviews, CloudWatch signals, capacity discussions, and resource governance across AWS accounts. Leaders received clearer tradeoffs between platform performance, availability, and spend.

LEADERSHIP & AWARDS

- Cloud Platform Excellence Award, Northstar Workforce Software, 2025
- Engineering Mentorship Recognition, Blue Mesa Digital Services, 2022
- Operational Resilience Award, Canyon Peak Analytics, 2019

EDUCATION

Master of Science in Computer Science

University of Colorado Boulder 🎓 GPA: 4.0 📅 2015 📍 Boulder, Colorado

Coursework: Cloud computing, distributed systems, database systems, computer networks, information security

Bachelor of Science in Computer Engineering

University of Nebraska at Omaha 🎓 GPA: 3.8 📅 2011 📍 Omaha, Nebraska

Coursework: Computer architecture, operating systems, software engineering, data structures, network engineering

CERTIFICATIONS

- AWS Certified Solutions Architect - Professional 📅 2024
- AWS Certified Security - Specialty 📅 2022
- Certified Kubernetes Administrator 📅 2021
- HashiCorp Certified: Terraform Associate 📅 2020

TECHNICAL SKILLS

- **AWS Services:** EC2, S3, RDS, VPC, IAM
- **AWS Operations:** EKS, CloudWatch, Elastic Load Balancing
- **Infrastructure as Code:** Terraform, CloudFormation, policy checks
- **Programming Languages:** Python, Go, Java
- **Containers:** Docker, Docker images, container networking
- **Kubernetes:** Kubernetes, Amazon EKS, ingress
- **Observability Tools:** CloudWatch, Prometheus, Grafana
- **Delivery Practices:** CI/CD, progressive delivery, automated rollback
- **Architecture Methods:** Microservices, architecture blueprints, roadmaps
- **Security Controls:** Encryption, IAM, least privilege
- **Resilience Engineering:** Disaster recovery, multi-region backup, recovery objectives
- **Compliance Operations:** Security assessments, audits, audit evidence
- **Cloud Governance:** Cost optimization, capacity planning, resource governance
- **Operating Systems:** Linux, shell scripting, system diagnostics
- **Collaboration Tools:** Git, code review, incident playbooks

SKILLS

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|------------------|--------------|------------------------------|---------------------|
| • AWS | • Go | • Amazon EKS | • Observability |
| • Terraform | • Java | • Microservices architecture | • Disaster recovery |
| • CloudFormation | • Docker | • Infrastructure as code | • Cloud security |
| • Python | • Kubernetes | • CI/CD | |

PROFESSIONAL AFFILIATIONS

- Cloud Engineering Mentorship Circle, Northstar Workforce Software, 2023 - Present
- AWS User Group Colorado, Technical Session Volunteer, 2018 - Present
- Kubernetes Community Days Rocky Mountain Region, Workshop Mentor, 2022 - Present

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST