

MATT WOOLLY

Senior Staff / Principal - Platform & Infrastructure Engineering

Castle Rock, CO · 214-868-8936 · matt@woolly.me · linkedin.com/in/matthew-woolly · github.com/mattWoolly

Hands-on technical leader in DevOps and cloud infrastructure with 14+ years across ecommerce, healthcare, defense, and SMS marketing. Track record of owning cloud platforms end to end - from problem and design through production and 24/7 operation, at both startup and enterprise scale. Now operating agentic AI (Claude Code) as a daily force multiplier and building the guardrails that let a full team adopt it safely, treating reliable AI adoption as an infrastructure problem rather than a model problem - the point where most rollouts succeed or fail.

SKILLS

Cloud & Infrastructure: AWS (EKS, ECS, RDS Aurora, MSK, VPC, S3, Lambda, IAM, KMS, SNS), Terraform, Terraform Cloud (TFC), CloudFormation, Multi-Region IaC

Kubernetes & GitOps: EKS, ArgoCD, Helm, Karpenter, KEDA, Bottlerocket OS, GitOps workflows

AI-Augmented Engineering: Claude Code, parallel sub-agent orchestration, AI safety guardrails, human-in-the-loop review, automated change lifecycle

CI/CD & Automation: GitHub Actions, Jenkins, CodeDeploy, Chef, Jira

Observability & Operations: Datadog, CloudWatch, cost optimization, 24/7 on-call / SRE, incident response

Databases & Languages: PostgreSQL / RDS Aurora, Python, Bash, Ruby, PowerShell, SQL

EXPERIENCE

Senior Staff DevOps Engineer - Postscript

2023 - Present

Platform engineering for a high-scale SMS marketing platform · Remote

- Operate as a hybrid tech lead, people manager, and senior IC across platform engineering - setting technical direction, running team ceremonies, and mentoring engineers - with a direct line to both the Senior Director of Platform Engineering and the VP of Engineering.
- Operate platform infrastructure serving **tens of millions of requests/day (peaks >200M)**, owning year-round capacity scaling and 24/7 on-call.
- Re-architected the full AWS environment to current standards across VPC, ECS, EKS, MSK, Lambda, ElastiCache, and RDS Aurora, implementing **multi-region Terraform IaC** on Terraform Cloud.
- Hold **~\$4M/yr in cloud spend flat year-over-year** while traffic grew, leading cost-optimization across the org.
- Built and operate a safe, repeatable **agentic-AI workflow (Claude Code)** as a daily force multiplier - orchestrating parallel sub-agents to inventory **50+ microservices** across Terraform, ArgoCD, and AWS, author infrastructure-as-code, and drive resources from plan to production.
- Engineered **AI safety guardrails** for autonomous change: an adversarial production-safety review plus an automated create-only / no-prod-reference gate enforced before any terraform apply, all under strict human-in-the-loop review against live cluster state.
- Automated the full change lifecycle end to end - Terraform Cloud workspaces, GitHub PRs, and Jira tickets - with every change machine-verified against dev, staging, and prod accounts.
- Build, document, and socialize standardized platform patterns across autonomous full-stack teams, driving adoption of safe, repeatable practices in an org where every engineer ships with AI.
- Negotiated and implemented the company's Datadog stack for alerting, monitoring, and log aggregation; supported AWS and vendor contract negotiations on behalf of the VP of Engineering.

Staff DevOps Engineer - GoPro

2021 - 2023

Cloud Infrastructure / Operations · Remote

- Optimized large video-transcode clusters onto **AWS Spot Instances**, saving **\$350K+/yr**, and migrated transcode workloads from CPU to GPU for higher throughput and efficiency.
- Deployed S3 lifecycle policies across buckets holding **petabytes of data**, saving hundreds of thousands of dollars annually.
- Provisioned infrastructure with Terraform and managed EKS via ArgoCD, Helm, and add-ons.
- Rolled out **Bottlerocket OS** across ECS and EKS.

Lead Cloud Infrastructure Engineer - Aetna Digital / CVS Digital

2018 - 2021

AWS infrastructure tech lead for a 5-engineer team · Denver, CO

- Led a large-scale migration from **CloudFormation to Terraform** across hundreds of cloud resources.
- Drove migration of business-critical microservices from **ECS to EKS**.
- Implemented ECS service auto-scaling and EC2 Auto Scaling Groups to hold production load and optimize cost.
- Led a cross-account cost-optimization effort to right-size resources and reduce spend.
- Built Terraform-driven patterns for IAM, Lambda, S3, KMS, and SNS to automate cross-organization file transfers.

Senior DevOps Engineer - MyRounding Solutions / Huron Consulting Group

2016 - 2018

Healthcare rounding platform, web + iPad · Chicago, IL

- Designed and implemented a next-generation “gold standard” AWS environment - CloudFormation, EC2 + Auto Scaling, Amazon Linux, NGINX, ALBs, and RDS - with automated disaster recovery and full-stack monitoring.
- **Cut AWS cost from ~\$500K to ~\$200K/yr while raising uptime from ~95% to >99.9%**.
- Owned 24/7 uptime and all SRE duties on the AWS account; automated deployments with CodeDeploy, Jenkins, and custom Python.

Senior Automation Engineer (Contract) - Raytheon IIS / GPS OCX

2018

Build & deploy automation for the GPS OCX program · Aurora, CO

- Automated AWS software deployments using **Chef, Ruby, and PowerShell** within large Jenkins build pipelines.
- Built Chef cookbooks with Rubocop standards, Test Kitchen integration, and InSpec suites; refactored cookbooks for idempotency.
- Built an interactive web portal for the Platform Audit team to surface environment test results (Ruby, InSpec, Python, JavaScript, JSON, AJAX, YAML, HTML5).

Director of DevOps - Indaba Group

2015 - 2016

Denver, CO

- Owned all technical production efforts - built the development team, partnered with PMs and lead developers to deliver SOWs on time and on margin, and set production standards aligned to executive goals.
- Designed and implemented DevOps practices for reliable testing and deployment.

Lead Developer - Indaba Group

2011 - 2015

Denver, CO

- Led development on the agency's largest accounts, frequently doubling as technical project manager - translating client goals into delivery strategy and executing or delegating across the dev team.