

Chris Montgomery

Systems Hacker & Agentic AI Builder

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Contact Me

> cat /etc/identity

Systems-focused engineer who builds in the terminal. Deep expertise in DevOps, SRE, and observability (Datadog), with production experience across Kubernetes, Terraform, and AWS at enterprise scale. I write backend services and CLI tools in Go, build agentic AI systems with multi-agent orchestration, and run everything on Linux with a suckless philosophy. Currently building autonomous agent frameworks, LLM tooling, and observable infrastructure.

> cat stack.yml

Languages:

Go, Python, Bash, C, Lua, Rust, TypeScript

Infrastructure:

Terraform, Ansible, Helm, CloudFormation

Cloud:

AWS (EC2, ECS, Fargate, RDS, Redshift, IAM, ALB/NLB)

CI/CD:

GitLab CI, GitHub Actions, CircleCI, Docker builds

Networking:

TCP/IP, DNS, Service Mesh, OpenVPN, L4/L7 load balancing

Observability:

Datadog (APM, RUM, Synthetics, Logs), Prometheus, Grafana

Containers:

Kubernetes (EKS), Docker, cgroups, KVM/QEMU

AI / Agents:

Multi-agent orchestration, LLM tooling, Claude, Ollama, FastAPI

Systems:

Linux (Arch, Ubuntu, CentOS), Neovim, dwm, zsh, rsync, SSH

Data:

PostgreSQL, MySQL (RDS), Redis, RabbitMQ, Redshift

Site Reliability Engineer & Observability SME

2023 – Present

ECCO Select — embedded with USDA Forest Service (US Public Sector / FedRAMP)

Published Case Study: 60% MTTR Reduction for USDA Forest Service

Led full-stack Datadog observability rollout across 1,000+ VMs and 150+ mission-critical applications on AWS.

60%

MTTR REDUCTION

85%

MTTD IMPROVEMENT

75%

APM DEPLOY TIME DROP

150+

APPS MONITORED

- Deployed Datadog across hybrid AWS environments (EC2, ECS, Fargate) with **Terraform-managed agent rollouts**
- Built custom dashboards, monitors, and SLOs; integrated Datadog with ITSM for automated incident ticketing
- Implemented APM tracing, synthetic tests, and RUM across 150+ applications
- Standardized monitoring-as-code workflows, reducing APM deployment time by 75%
- Built **dd_lib**, a custom Python library for Datadog API automation — abstracting monitor, dashboard, and metric operations into reusable modules
- Developed **rayne**, an agentic root-cause-analysis server that correlates Datadog alerts with infrastructure telemetry to accelerate incident triage
- Engineered Python **webhook pipelines** (client and server) for Datadog event-driven automation — processing monitor alerts, triggering remediation workflows, and forwarding enriched payloads to downstream services
- Served as observability SME across teams at varying stages of cloud adoption

DevOps Engineer II

Dec 2021 – Aug 2023

St. Louis, MO

- Administered **Kubernetes (EKS)** for 100+ services across production, staging, and services environments
- Transitioned clusters from unmanaged to managed nodes; implemented Helm chart standardization across teams
- Managed **Datadog** integration: dashboards, monitors, APM, tracing, and synthetic tests for full-stack observability
- Provisioned and managed AWS infrastructure with **Terraform**: IAM, ACM, EC2, RDS, Redshift, ALB/NLB
- Built event-driven and queue-based scaling strategies; developed custom Kubernetes operators
- Completed Datadog migration from Grafana/Prometheus; removed Nginx sidecar for internal traffic
- Revamped Docker base images from managed packages to compiled-from-source builds, reducing image size and CVEs
- Standardized Helm charts from per-service manifests to a unified chart with exceptions
- Managed GitLab CI runners, standardized CI files for consistent deployments across developer teams
- Administered databases: AWS RDS (MySQL), PostgreSQL (vector DBs), Redshift (warehousing)
- Implemented service mesh and L4/L7 load balancing with AWS NLB and ALB

DevOps Engineer

Feb 2018 – Dec 2021

CJT Enterprises — Boston, MA

- Containerized 3-tier application on Kubernetes: Go frontend, Java REST API, PostgreSQL
- Optimized container images with multi-stage builds and Ambassador pattern
- Managed CI/CD tooling in Docker on Kubernetes clusters; streamlined Dockerfile creation
- Automated server provisioning and configuration with **Ansible**
- Managed SSL certificates for Kubernetes-deployed applications
- Administered Linux production environments (Ubuntu, CentOS, Arch)

Aerospace & Propulsion Technician

May 2009 – Aug 2012

United States Air Force — East Granby, CT (TF34 & F100 series)

Application Manager — Assistant Vice President

Feb 2015 – Nov 2018

State Street Corporation — Boston, MA (Leadership Development Program)

- Transformed legacy corporate program into a centralized portal-based gateway
- Aligned high-potential cohorts and business COEs through program rotation

> `ls ~/projects/`

rayne

Go REST API wrapping Datadog.
Webhook handler, monitoring demos,
portfolio site.

Go / Datadog / templ / HTMX /
PostgreSQL

filePick

TUI file picker with fuzzy search, preview
pane, vim keybindings.

Go / Bubble Tea / TUI

computeCommander

CLI compute orchestration for cloud
instances and local VMs.

Go / CLI / Cloud

Monty

Local AI agent: Ollama, persistent
memory, tool-calling, multi-model.

Python / Ollama / FastAPI

messages_tui

Terminal UI for Google Messages with
vim navigation and QR pairing.

Go / Bubble Tea / TUI

k8s_the_hard_way

Kubernetes from scratch on AWS via
Terraform. Hightower's guide.

Terraform / AWS / Kubernetes

> `cat education.md`

MIT Professional Education

Cloud & DevOps: Continuous Transformation

Ardan Labs

Ultimate Go • Intensive Docker • Intensive Kubernetes

United States Air Force

Aerospace & Propulsion Technician (Level 3) — May 2009 – Aug 2012

Nichols College

Bachelor of Arts — Dudley, MA (2007)