

Jon Bogaty

Staff DevOps & Platform Engineer | Multi-Cloud Infrastructure Architect | Python/Go Open-Source Builder

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Founding-DevOps operator who ships OSS frameworks. Python + Go, multi-cloud, 15+ years.

PROFESSIONAL SUMMARY

Senior infrastructure engineer with 15+ years across DevOps, SRE, platform engineering, and cloud architecture spanning AWS, GCP, and Azure. Early adopter of Docker and Terraform before industry-wide adoption; builder of large-scale internal automation platforms in Python and Go; architect of multi-cloud production systems including Kubernetes across EKS, GKE, and AKS. Track record of modernizing infrastructure as the sole DevOps engineer, authoring 10,000+ line Python tooling from scratch, and driving six-figure monthly cloud cost reductions through serverless migration and right-sizing.

Active open-source contributor and framework author publishing across Python, Go, TypeScript, and Rust. Maintainer of the Agentic ecosystem (polyglot AI agent orchestration), Extended Data Library (production Python + Go data toolkit, 5 PyPI packages plus a Go secrets-sync pipeline), and Strata Game Library (React Three Fiber framework). Building tools that bridge AI research and production engineering.

FEATURED OPEN-SOURCE PROJECTS

radioactive-ralph — jonbogaty.com/radioactive-ralph

Autonomous Continuous Development Orchestrator

Drives Claude Code across a portfolio of git repos — continuously, with safety gates, and ten named variants (green, red, blue, immortal, savage, etc.). Go binary with Unix socket IPC, SQLite event log, stream-json session control, and brew/launchd/systemd service integration.

paranoid-passwd — paranoid-passwd.com

Zero-Trust Cryptographic Password Generator

A self-auditing password generator that treats the LLM that built it as an adversary. C core compiled to WebAssembly via Zig cross-compilation; FIPS 180-4 SHA-256 + WASI random_get replaces 1.5MB OpenSSL WASM. Wolfi/melange/apko supply chain, SLSA L3 provenance, Sigstore keyless signing, SBOM attestation, Ken Thompson double-compilation defense.

Agentic — agentic.coach

Polyglot AI Agent Orchestration

Production-ready framework for building intelligent agent fleets across TypeScript, Python, and Rust. Fleet management, AI-powered triage, framework-agnostic crew orchestration, sandbox execution, and 4 GitHub Marketplace Actions.

Extended Data Library — extended-data.dev

Production Python Data Toolkit

Battle-tested Python monorepo for data serialization, configuration management, structured logging, and cloud integrations. 5 independently-installable PyPI packages with strict typing, 75%+ test coverage, and MCP server support.

Strata Game Library — strata.game

React Three Fiber Game Framework

Complete game framework for building procedural 3D worlds. Terrain generation, advanced water, GPU vegetation, volumetric effects, ECS architecture, physics, AI pathfinding, and character animation — all in a declarative React API.

PROFESSIONAL EXPERIENCE

Open-Source Infrastructure & Security Engineering

Jan 2026 – Present

Independent

Go C WebAssembly Python TypeScript Rust Wolfi SLSA Sigstore

Full-time focus on production-grade open-source infrastructure tooling following departure from Flipside Crypto. Shipping Go, C/WASM, and Python projects with supply-chain security, reproducible builds, and autonomous agent orchestration at the core.

- Shipping radioactive-ralph (Go autonomous dev orchestrator) and paranoid-passwd (C/WASM zero-trust password generator with SLSA L3 + Sigstore) — see Projects

- Continued maintenance of Agentic ecosystem (TS/Python/Rust polyglot AI agent orchestration), Extended Data Library (5 PyPI packages + Go secrets-sync pipeline), and Strata Game Library (React Three Fiber)
- Authoring case studies on multi-cloud migration patterns, enclave-based key custody, and sole-operator DevOps playbooks drawn from the Flipside Crypto build

Staff DevOps & Platform Engineer

Jun 2021 – Jan 2026

Flipside Crypto

AWS GCP Python Terraform Lambda Vault Snowflake Fireblocks

Founding DevOps hire at a blockchain analytics company. Spent 5 years as the sole DevOps engineer — hands-on modernizing AWS infrastructure with Terraform, building a comprehensive internal automation platform, and embedding SRE practices across product and data teams.

- Joined as the first and only DevOps engineer; overhauled legacy AWS infrastructure with Terraform and Terragrunt, driving a 5-year evolution from single-DC multi-cluster Kubernetes through container deployments to 99% serverless (Lambda, managed services)
- Built a 10,000+ line Python CLI and library (tm_cli) that auto-generates 146+ Terraform modules across 13 providers (including AWS, GCP, GitHub, Vault, and Slack) — converting annotated Python functions into consistent, documented Terraform interfaces via a custom code-generation system
- Designed a Terraform pipeline factory (terraform-pipeline) for generating complete multi-workspace infrastructure configurations with multi-region provider support, recursive vendor parameter processing, and SOPS-encrypted secrets integration
- Architected deterministic secrets propagation system with automatic deep-merge and conflict resolution across HashiCorp Vault and AWS Secrets Manager, serving hundreds of Lambda functions powering the data platform
- Drove AWS spend from ~\$150K/month to ~\$40-50K/month through serverless migration, right-sizing, and automated scaling — \$100K+/month in sustained savings
- Identified, placed, and mentored SRE engineers into product and data departments; established company-wide CI/CD patterns, secure secrets-sharing workflows, and automation standards while remaining the singular DevOps IC
- Led cross-cloud Fireblocks co-signer migration from AWS Nitro Enclaves (Anjuna) to Fireblocks-native on GCP with dedicated MDM-managed cosigning devices — spanning enclave architecture, GCP workload identity, and secure device provisioning
- Administered all IT and security operations as a parallel responsibility: Google Workspace, 1Password, DNS (Route53 + Cloudflare), SSO/SCIM, Snowflake security, compliance audits, and incident response

Role eliminated January 2026 as part of a company-wide workforce reduction.

Senior Site Reliability Engineer

Aug 2020 – Jun 2021

GoHealth

AWS Python Kubernetes Prometheus Grafana

- Spearheaded SRE initiatives for a high-traffic health insurance marketplace: improved system scalability, availability, and operational visibility across production environments
- Built production monitoring and alerting systems, reducing MTTR and improving uptime during peak open enrollment periods handling surge traffic

Senior Development Operations Engineer

Nov 2017 – Aug 2020

Symbiont

AWS GCP Azure Kubernetes Python Go Terraform Packer Ansible

- Owned enterprise CI/CD platform for a blockchain DLT product: built automation and infrastructure tooling in Python, Go, Ansible, Terraform, and Packer across AWS, GCP, and Azure
- Designed and operated production Kubernetes across AWS EKS, GCP GKE, and Azure AKS — reproducible, version-controlled multi-cloud deployment architecture for enterprise customers
- Built Terraform-based repeatable customer deployment workflows enabling secure install of DLT infrastructure into enterprise cloud environments across all three major providers

Senior Development Operations Engineer

May 2017 – Nov 2017

Jump Ramp

Docker CI/CD VPN

- Modernized deployment: introduced Docker containerization, restructured CI/CD, and built ready-to-roll dev environments cutting onboarding time significantly
- Overhauled network security: implemented automated VPN bridging datacenter-to-office for multi-site wide-area LAN

Senior Development Operations Engineer

Jun 2016 – May 2017

Qualia Media

GCP Terraform Ruby Pub/Sub

- Automated cloud infrastructure with Terraform and custom Ruby tooling: built CI/CD systems and a metrics-based auto-scaler for Google Cloud workers using Pub/Sub

Senior Systems Operations Engineer

Apr 2015 – Apr 2016

ClassPass

AWS Docker Terraform Packer Vagrant

- Early Docker & Terraform champion: containerized services using Docker, Terraform, Packer, Atlas, and Vagrant — pioneering IaC before industry-wide adoption
- Managed 200-300 production AWS instances powering the ClassPass desktop and mobile experience for a major international fitness subscription platform
- Reduced cloud costs \$20K/month by deploying Netflix OSS Janitor Monkey for automated resource lifecycle management

Senior DevOps Engineer

Mar 2014 – Apr 2015

Magnetic

Chef Rundeck PAM

- Managed 300+ machine infrastructure for a multinational ad-tech firm: designed Chef 10 cookbook overhauls and integrated Rundeck with PAM for zero-downtime control

EARLIER CAREER

Progressive DevOps and infrastructure roles spanning ad-tech, e-commerce, mobile platforms, publishing, and freelance consulting. Built expertise in Linux systems, cloud migration, configuration management (Chef, Puppet), CI/CD automation, and datacenter-to-cloud transitions.

Sr. DevOps Engineer — Digital First Media	2014
DevOps Engineer — EachScape	2013
DevOps Engineer — Totsy	2012-13
Sr. Project Manager — Social Cubix	2012
Developer — RentShare Inc	2011
Freelance Systems Consultant — jonbogaty.com	2005-13

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, ECS, EKS, Lambda, S3, IAM, CloudWatch, VPC, Secrets Manager, Nitro Enclaves), GCP (GKE, Pub/Sub, BigQuery, Cloud Run, Secret Manager), Azure (AKS, ACR, Entra ID, Key Vault)

Infrastructure as Code: Terraform, Terragrunt, Packer, Ansible, CloudFormation, Vagrant

Containers & Orchestration: Docker, Kubernetes, ECS/EKS, GKE, Fly.io, Docker Compose

CI/CD & Automation: GitHub Actions, GitLab CI, Jenkins, CircleCI, Rundeck, ArgoCD, GitOps, ChatOps

Security & Compliance: Zero-Trust Architecture, IAM/RBAC, HashiCorp Vault, Secrets Management, VPN, MDM, Vulnerability Assessment, Incident Response, Fireblocks

Observability: Prometheus, Grafana, Datadog, Nagios, CloudWatch, ELK Stack, PagerDuty

Programming: Python, Go, TypeScript, Bash, SQL, Ruby, JavaScript

AI & Automation: Agentic AI Orchestration, Prompt Engineering, LLM-Driven Workflows, ChatGPT/OpenAI, Anthropic Claude, CrewAI

Data: Pipeline Architecture, ETL/ELT, Snowflake, BigQuery, PostgreSQL, MySQL, Redis

EDUCATION

Associate of Applied Science (AAS) — Computer Information Technology

Ivy Tech Community College | 2007–2009

Graduated with Honors • Dean's List (All Semesters)