

Patrick Buehl

Senior Consultant — Platform Engineering & Infrastructure Automation

I help enterprises modernize infrastructure, Kubernetes/OpenShift platforms, and delivery pipelines — and I am extending that same embedded-delivery model into applied AI and agentic systems.

United States — Austin, TX, remote, client travel
as needed

patrick.buehl91@gmail.com
linkedin.com/in/patrick-buehl-560b1aa8
github.com/pbuehl91
patrickbuehl.help

01 ABOUT

Senior consultant with a decade of engineering experience across enterprise and government environments, currently at Red Hat. I embed with delivery teams to modernize platforms end to end: migrating CI/CD from Jenkins to Tekton, replacing virtualization estates with OpenShift Virtualization, standing up developer platforms on Backstage, and putting infrastructure and configuration under version control with Ansible, Terraform, and Argo CD. Most engagements start without defined requirements, so a large part of the work is shaping scope with the customer, proving the approach, and leaving behind automation their teams can actually run. Alongside that platform work I am building applied-AI experience — LLM application development against the Claude API, RAG-style ingestion pipelines, agentic coding workflows, and OpenShift AI.

02 SKILLS

PLATFORMS & ORCHESTRATION

OpenShift · OpenShift Virtualization · Kubernetes · Helm · Backstage · Podman / containers

CLOUD & INFRASTRUCTURE

AWS · GCP · Azure · RHEL · cloud-init · STIG hardening

DELIVERY & AUTOMATION

Tekton · Argo CD · Jenkins · GitLab CI · Ansible / AAP · Terraform

LANGUAGES & APPLICATION WORK

Java · Kotlin · TypeScript · Python · React · Spring Boot · REST & gRPC

APPLIED AI — EMERGING PRACTICE

Actively developing — self-directed projects and certification work, not a decade of production practice.

LLM application development (Claude API) · RAG pipelines · Agentic coding (Claude Code, aider) · OpenShift AI

03 EXPERIENCE

Senior Consultant · Red Hat

Oct 2021 — Present · Remote, US enterprise & public sector

Embedded consultant on platform modernization engagements: OpenShift adoption, CI/CD migration, infrastructure automation, and customer enablement — usually starting from an ambiguous problem statement rather than a written requirement set.

- Migrated 18 Jenkins pipelines to Tekton in roughly two months, cutting deployment time by about 40% and standardizing build tooling across teams.
- Led an OpenShift Virtualization evaluation as a VMware replacement for a national-laboratory client with no predefined requirements, delivering a STIG-compliant automated provisioning workflow.
- Built and maintained a Backstage developer platform providing self-service onboarding for 100+ engineers.
- Own the Configuration-as-Code / Ansible Automation Platform SDLC on a current enterprise engagement: monorepo layout, environment overrides, vaulted credentials, and CI quality gates.

OpenShift · OpenShift Virtualization · Tekton · Argo CD · Ansible / AAP · Terraform · Backstage · Helm

Senior Software Engineer · Omnitrace

2015 — 2021

Backend engineer on fleet-compliance products, building and operating the services behind IFTA fuel-tax reporting.

- Designed and shipped REST and gRPC microservices supporting the IFTA compliance platform.
- Owned service reliability, data correctness, and release work for regulated reporting features.

Java · Kotlin · Spring Boot · gRPC · REST · PostgreSQL

04 SELECTED WORK

CLIENT ENGAGEMENT

VMware → OpenShift Virtualization

Evaluated OpenShift Virtualization as a VMware replacement for a national-laboratory client with a hard security baseline; delivered a STIG-compliant automated provisioning workflow and handed over runbooks the platform team could run independently.

INDEPENDENT PROJECT

slide-generator

Python pipeline using the Claude API to turn a structured dataset into a fully generated presentation deck with speaker notes; prompt construction, generation, and rendering kept as independent stages.

CLIENT ENGAGEMENT

Backstage Platform Enablement

Built a Backstage portal with golden-path templates, enabling self-service onboarding for 100+ engineers and removing the platform team from the critical path.

INDEPENDENT PROJECT

md-converter

RAG-style ingestion pipeline pulling media via yt-dlp, transcribing with OpenAI Whisper, and normalizing into chunked markdown for downstream LLM retrieval.

05 CERTIFICATIONS

Red Hat Certified Architect (RHCA), Infrastructure — Level III	Red Hat	Red Hat Certified Specialist in OpenShift AI	Red Hat
Red Hat Certified Specialist in OpenShift Virtualization	Red Hat	Red Hat Certified Specialist in Containers	Red Hat
RHCS — Developing Automation with AAP	Red Hat		