

Patrick Schramm

SENIOR CLOUD & AI PLATFORM ENGINEER · GCP + AWS · GOOGLE CLOUD PROFESSIONAL CLOUD ARCHITECT

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PROFILE

Senior cloud and AI platform engineer, hands-on with Terraform provisioning pipelines, GKE and Cloud Run on GCP and AWS, running the revenue-critical product catalog, pricing and search platforms at CNET / Ziff Davis. Moved from enterprise CMS through cloud architecture and platform migrations to AI platforms. Led CNET's move from Docker Swarm to GKE, designed and led product search's move to Solr 9 on AWS EKS with re-runnable health checks, and cut pricing-pipeline run times ~70% with a redesign A/B-tested before rollout. On the AI side, extended product search on Vertex AI Search, built Gemini support, guardrails and least-privilege access into production LLM, agent and embedding features, and brought AI coding agents and 30+ shared agent skills into every team repo. Led AI training for the wider engineering org. Looking for senior and staff GCP and AI platform roles.

EXPERIENCE

CNET (Ziff Davis) 2025 - Present

Senior Cloud Platform Engineer · Commerce & Catalog

STACK Java 21 / Spring Boot 3, LangChain4j, Python, Apache Beam / Dataflow, GKE, Cloud Run, Vertex AI Search, Gemini API, AWS EKS, Amazon DocumentDB, Solr 9, Terraform, GitHub Actions

- → Extended AI-powered product search on Vertex AI Search (Discovery Engine) behind the internal product-catalog search API: schema design, ingestion planning, response transformers and merchant-level filtering for Shopping and RetailMeNot, on a shared merchant-identity model across 7 affiliate networks
- → Partnered with product to ship a complete UI refactor of CNET's CMS, built with AI coding agents through an internal AI gateway: set up the agents on the repo, learned the workflow alongside product, and served as the engineering review gate through production (60+ PRs approved)
- → Led the Gemini path for three production AI features (a LangChain4j tool-calling agent, an embedding categorization pipeline and its API) behind a config-only provider switch with OpenAI as rollback; added input, tool-call and rate limits, validated tool arguments, prompt-free logs and an embedding cache that rebuilds on a model change; scoped Gemini access narrowly instead of a broad role
- → Brought AI coding agents into every team repo, authored 30+ reusable agent skills that other teams also use, started the team's API test suite (Bruno, from Postman), trained the team on it and made it the agents' read-only verify step before a PR
- → Authored, presented and led the re-platform of product search to Solr 9 on AWS EKS (~30M documents) with no planned downtime
- → Cut pricing-pipeline run times ~70% by redesigning for cross-cloud latency between GCP and AWS
- → Led CNET's observability move from New Relic to Datadog across platform services (APM tracing, logs, dashboards, monitors) and retired New Relic; used it daily for incident triage, root-cause analysis and post-mortems
- → Operated the catalog data platform on Apache Beam and Dataflow: ~170M documents across 5 locales
- → Built the API layer for CNET and ZDNET's move to WordPress VIP, with a self-service, login-gated Cloud Run integration environment for the vendor, and removed commerce dependencies to retire the legacy CMS
- → Built an OpenSearch proof of concept behind a search-backend flag to compare re-platform options with Solr

CNET (Red Ventures → Ziff Davis) 2021 - 2025

Senior Cloud Platform Engineer (2024–25) · Senior Software Engineer, CNET Platform (2021–24)

STACK PHP / Symfony, GraphQL, Docker, GKE, Cloud Run, Terraform, Helm, Flux GitOps, GitHub Actions, Varnish, Redis, Firestore

- → Led CNET's migration from Docker Swarm to GKE with no rollback, shrinking the container footprint 7×
- → Co-led CI/CD modernization from end-of-life Jenkins to GitHub Actions and GitOps across 9 services
- → Owned deploys, code and operations for CNET's headless CMS and GraphQL content API on Cloud Run, configuring its load balancing, Redis and Firestore in Terraform with the cloud team
- → Served as sole engineering contact for TV Guide and Metacritic, shipping features with their teams weekly, then led their technical carve-out through divestiture into standalone, buyer-ready platforms

OpenText 2009 - 2021

Lead Technology Architect (2014–21) · IT Architect (2009–14)

- → Designed and owned Java 11 / Spring Boot microservices for enterprise SSO and licensing across the OpenText product portfolio
- → Took services from design to production for global teams: software design, technical documentation and hybrid-cloud delivery
- → Owned production architecture, release schedules and disaster recovery for OpenText.com, Login/SSO and Customer Support systems

Vignette · Techspan · EDS 1998 - 2009

Senior Software Engineer (2005–09) · Application Engineer (Professional Services), Consulting Architect, Web Developer (1998–2005)

- → Designed and delivered the Vignette Training Application and LMS
- → Supported large-scale Vignette CMS and portal platforms for enterprise and government clients, including FoxNews.com, IRS.gov and the 2004 Athens Olympics site
- → Designed CMS and portal solutions and led pre-sales demonstrations and proof-of-concept engagements as a consulting architect

SKILLS

CLOUD ARCHITECTURE

GCP (Professional Cloud Architect) · GKE · Cloud Run · Cloud Functions · Dataflow · Pub/Sub · Secret Manager · AWS EKS · Amazon DocumentDB · Cloud Load Balancing · IAM

PLATFORM, IAC & OBSERVABILITY

Terraform · Kubernetes / Helm · Flux (GitOps) · Docker / Multi-stage Builds · GitHub Actions · Jenkins · Cloud Build · Artifact Registry / ECR · Datadog (APM, logs, monitors)

DATA & SEARCH

Apache Beam · Apache Solr 9 · OpenSearch · Snowflake · MongoDB · BigQuery · MySQL / Cloud SQL · Redis / Memcached · Firestore

GOOGLE CLOUD AI

Vertex AI Search · Gemini on Vertex AI / Gemini API · Google ADK · LangChain4j / LangChain · LLM gateways (LiteLLM) · MCP (Model Context Protocol)

AI-NATIVE ENGINEERING

Agentic coding: Claude Code, Codex, Cursor, Gemini · Agent skills authoring · Spec-driven development

EDGE, API & SECURITY

Varnish / VCL · Fastly CDN · DNS · GraphQL APIs · REST API Design · Okta SSO · OWASP / DAST Remediation

LANGUAGES & FRAMEWORKS

Java 21 / Spring Boot 3 · Python (5 yrs, tooling and automation) · PHP / Symfony · TypeScript / Node.js · WordPress VIP

EDUCATION

University of North Texas
BCIS — Business Computer Information Systems · B.S.
1995 - 1999 · Denton, TX

Google Cloud
Professional Cloud Architect
2026

Google Cloud
Associate Cloud Engineer
2024

Google Cloud
11 Skill Badges — incl. AI Agents with ADK, Cloud Architecture, Terraform, Kubernetes
2024 - 2026

Anthropic
Claude Academy — Claude Platform, Claude on Amazon Bedrock, Claude on Vertex AI
2026

Amazon Web Services
AWS Certified Solutions Architect – Associate (exam scheduled Nov 2026)
2025 - present
IN PROGRESS