

Ryan Scheinberg

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SUMMARY

Six years of infrastructure engineering at Bottomline. Led firewall management automation, GitOps pipeline adoption, and AI-enabled Akamai WAF platform creation. Founder of Agent Horizon. Deployed transformative agent skills development pipeline and full SaaS product, SkillsCake, from security first full-stack development to marketing and customer support.

EXPERIENCE

Staff Core Platform Engineer, Bottomline

July 2020 – Present

Architect and deliver infrastructure for global B2B payment systems while maintaining production Linux systems. Coordinate cross-team automation projects and help guide company AI engineering work.

Company-Wide Akamai Migration

Bottomline ran CDN and WAF across a patchwork of per-team setups. Lead the current move to Akamai as the company standard, bringing all 9 product lines, some with 1,000+ hostnames, onto one platform. Built the self-service automation—convention-driven OpenTofu with OPA, RBAC, and promotion strategies. It takes all of Akamai's complexity, rule trees, edge hostnames, origins, domain verification, attack groups, bot strategies, client lists, and more, and turns it into simple variables. Wrote AI skills to drive the migration. Ran the UAT program that took the framework from buggy to a dependable part of the business. Worked directly with Akamai's engineering and support teams to clear the gates the migration required.

AI Engineering and Governance

Engineers were running shadow MCP servers, and AI knowledge was siloed. Helped to develop shared skills built on the skills.sh protocol and secure MCP servers, bringing every team onto one core AI platform.

Firewall Change Automation

Manual firewall changes ran 3,000+ tickets a year and caused weeks of delay. Worked with the networking team to build a validated, code-driven self-service pipeline. The Ansible automation spans multiple firewall providers and worldwide datacenters without adding complexity for end users. Architected a manual change pathway for emergency changes the networking team is accustomed to. The project cut delivery time while improving accuracy: customer facing deployments accelerated, and engineer context switching and toil dropped.

GitOps Modernization

Shared pipelines were cluttered and hard for new teams to adopt. Co-founded the GitOps Center of Excellence to simplify and govern pipeline architecture. Helped develop an internal product built on GitLab CI Components that made pipeline adoption easier.

Platform Enablement Office Hours

Teams struggled to adopt IaC tools, and we lacked visibility into pain points. Hosted office hours for 200+ engineers, solving problems live and feeding the lessons back into the platform.

Founder, Agent Horizon LLC

May 2025 – Present

Deploy and market products to democratize AI agents and improve their performance while cutting token spend. Built every part of the business from the ground up.

SkillsCake

Context engineering was challenging, resource intensive, and inaccessible to beginners. Fully created SkillsCake to absorb all the complexity and create or improve personalized skills for customers in minutes. Treated SkillsCake as a security product. Defends against prompt injection, collects almost no data, keeps a user's identity separate from what they build, and has no lock-in. Built open source plugins for Claude Code, Codex, and GitHub Copilot so agents can interact with the API for runs. Handled accounting, taxes, legal, marketing, sales, and customer service.

Business Management

Set strategy and own the numbers, from pricing and unit economics to what to build next. Make the calls that keep the business focused and lean.

Agent Collaboration and Governance

Engineered a Claude Code harness where multiple agents coordinate to ship work, with a human in the loop on the decisions that matter. Set the guardrails that keep AI reliable and safe.

SKILLS

- Systems design for distributed infrastructure
- Cross-team platform enablement
- Infrastructure-as-code, GitOps, and secure self-service design
- AI engineering: context and harness engineering, prompt injection defense
- Full-stack SaaS development
- On-call leadership and system recovery
- Team mentoring
- Business leadership and decision making

LANGUAGES

Python, Ruby, Go, Bash, YAML, HCL

SOFTWARE

Terraform, Kubernetes, Helm, ArgoCD, Docker, Ansible, Puppet, GitLab CI, Harbor, Vault, RHEL/Linux, AWS (ECS/Fargate, RDS, S3), Akamai, Cisco ASA, PAN-OS, Prometheus, ELK, Claude Code, Codex, GitHub Copilot, Next.js, React, Stripe

EDUCATION

Cornell University, BA in Physics, concentration in Computer Science · Ithaca, NY
Tanner Dean's Research Scholarship · National Merit Winner

CERTIFICATIONS

AWS Certified Cloud Practitioner · NSP Outdoor Emergency Care (OEC)

BEYOND WORK

First responder with Whaleback Ski Patrol. Owner of Unicorn Hill Farm, horses and heavy equipment operation.