

Aaron Ky-Riesenbach

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Infrastructure engineer with 5+ years in cloud SRE and DevOps; currently building AI platform solutions with a focus on GitOps, automation, and observability.

SKILLS

- **Technologies:** Kubernetes, ArgoCD/GitOps, OpenTelemetry, Terraform/IaC, LLMs/agentic development, GitHub Actions, Azure Pipelines, AWS, Azure, Linux, Docker/Containerization
- **Programming:** TypeScript, Terraform/HCL, Go, Bash, Helm, Python, Java

EXPERIENCE

Product Software Engineer, DevOps/Cloud SRE

Wolters Kluwer

Jul 2024 — Present

Waltham, MA - distributed team

Internal GenAI Platform:

- Builds multi-cloud expansion solutions for WK's in-house AI platform, providing no-code indexing/RAG, MCP configuration, post training, and rapid scaling for 5000+ agents in any cloud via 50+ Terraform modules
- Utilizes agentic workflows to scope/triage tickets and implement core features, improving output velocity by 2x
- Designs and implements RBAC and networking architecture across 100+ subscriptions/accounts, enabling secure least-privilege access for 50+ engineering teams
- Designs and deploys in-depth logging and tracing instrumentation across clouds using OpenTelemetry and DataDog, taking 5000+ agents from zero observability to logs + traces + metrics with no developer overhead
- Creates in-depth documentation, architecture decision records and runbooks to foster knowledge transfer and process consistency

Cloud SRE/DevOps:

- Expands and administrates global Kubernetes platform comprised of ~50 clusters worldwide - focus on automation to enable self-service deployments without cognitive overhead
- Implements WIF-based auth for cluster workloads, enabling least-privilege access while removing secret rotation overhead
- Creates custom Helm charts reducing workload deployment configuration from hundreds of lines to as few as 10
- Develops Kubernetes operators with comprehensive unit and integration test coverage to automate cluster bootstrapping, bringing time-to-deployment from days to < 1 hour
- Creates Python-based CLI tooling for Terraform management, reducing code duplication by 5-10x
- Participates in on-call rotation to provide rapid incident response (MTTR 1 hour)
- Mentors 8+ junior employees by providing technical guidance and advising on areas for growth

Electrical and Software Engineering Co-Op

Massa Products Corporation

Jul 2023 — Jun 2024

Hingham, MA

- Created and deployed edge device configuration platform using AWS IoT, EC2, and Lambda

Software Engineer, QA Test Engineer

Tesla Government

Mar 2020 — Aug 2021

Falls Church, VA

- Developed automated testing suite using Selenium, reducing pre-release testing from days to hours

EDUCATION

Northeastern University

Bachelor's of Science, Computer Engineering

Sep 2021 — May 2025

Boston, MA

- GPA: 3.9/4.0 | Dean's List

PROJECTS

Home Lab

Dec 2024 — Present

- Architects and maintains a high-availability Kubernetes environment in the home
- K3s cluster managed using GitOps practices
- Custom config management tools using TypeScript to provide declarative, high-quality workload configuration in-cluster