Kavya Reddy Senior Platform Engineer

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PROFILE SUMMARY

- **Senior Platform Engineer** with **6 years** building internal platforms at **Snyk** and **athenahealth**, focused on **multi-tenant Kubernetes**, one shared deployment path and **self-service infrastructure** on Google Cloud.
- Works daily in **GKE** and Helm, **Argo CD** and Argo Rollouts, **Crossplane** and Terraform, **Kyverno** and Vault, and **Backstage**, and writes Go controllers and Python tooling.
- Strongest in **cluster tenancy design**, **progressive delivery** and **policy rollouts in audit mode first**, with every platform change proposed in an RFC and reviewed by the teams it affects.
- Partners with **product engineering teams**, the **security team** and SRE on the platform roadmap, and runs the monthly platform review where teams vote on what gets built next.
- Mentors 3 platform engineers, leads the **platform guild** across Boston and London, and wrote the team's **RFC template** and deprecation policy.

TECHNICAL SKILLS

Developer Portals & Templates:	Backstage, Backstage Software Templates, TechDocs, Cookiecutter
Kubernetes & Containers:	Kubernetes, GKE, Helm, Cilium, Docker
CI/CD & GitOps:	Argo CD, Argo Rollouts, GitHub Actions, Jenkins
Infrastructure as Code:	Crossplane, Terraform
Cloud Platforms:	Google Cloud (Cloud SQL, Pub/Sub, IAM), AWS
Policy, Security & Secrets:	Kyverno, HashiCorp Vault, Sigstore Cosign, Snyk Container
Languages & Observability:	Go, Python, OpenTelemetry, Prometheus, Grafana

EDUCATION

The Linux Foundation — Certified Kubernetes Administrator (CKA) — Online · Nov 2022

Boston University — B.S. in Computer Science — Boston, MA · Sep 2016 to May 2020

WORK EXPERIENCE

Snyk — Senior Platform Engineer — Boston, MA · May 2023 to Present

- Wrote the platform team's first public roadmap and RFC process after interviewing 18 engineering teams, then shipped **11 of the 15** most requested platform features within 2 quarters.
- Rebuilt the shared **GKE** clusters for multi-tenancy with a namespace per team, resource quotas and Cilium network policies, and moved 210 services off per-team clusters, cutting compute spend by **28%**.
- Built one deployment path on **Argo CD** and Argo Rollouts with automatic rollback on error rate, adopted by every product team, cutting failed production changes from 14% to **4%**.
- Shipped **Crossplane** compositions for Cloud SQL Postgres and Pub/Sub topics behind a Backstage form, cutting the time to get a new database from 5 days to **15 minutes**.
- Rolled out **Kyverno** policies for non-root containers, resource limits and signed images in audit mode first, and enforced them after fixing **340** violations with the owning teams.

athenahealth — Platform Engineer — Boston, MA · Jul 2020 to Apr 2023

- Built **Cookiecutter** templates for Java and Python services with logging, health checks and a Jenkins pipeline included, and **45** new services started from them over 2 years.
- Set up the first **Backstage** catalog for the clinical apps group, importing **600** services from a wiki spreadsheet and confirming each owner team by team.
- Tracked deploy frequency and lead time for 30 teams from Jenkins and Jira data, and the report won funding for parallel test runs that cut build times by **45%**.