

FRAKMA-X · OPEN AI STACK AT SCALE

Open-source MLOps you own, with the team that built it on call.

Three layers: an Apache-2.0 Community Edition you run yourself, GitOps workflows from data to production, and an enterprise edition Warble deploys and supports on your cluster.

- Azure + GCP ready
- AWS in testing
- Apache-2.0 core
- LF wing forming

THE PROBLEM

Hand-stitched ML pipelines are hard to reproduce. Running six OSS tools together in production takes platform skills most teams lack, and managed alternatives move your data and models into a vendor's account.

5% of custom enterprise GenAI tools reach production MIT NANDA, 2025	≥50% of GenAI projects abandoned after proof of concept by end of 2025 Gartner, 2026	87% of enterprise LLM workloads run on closed-source models Menlo Ventures, 2025
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ONE PRODUCT, THREE LAYERS

LAYER 1 · OPEN SOURCE Community Edition The FRAKMA stack: OpenFaaS, KubeRay, Argo CD, KServe, MLflow, Airflow and the WarbleApp CRD operator. Apache-2.0, always. Run it yourself. WHO IT'S FOR Data and MLOps engineers who run their own clusters; contributors. STATUS Open source. Linux Foundation wing forming; not an LF or CNCF project. Public repo [to fill]. PRICING Apache-2.0. You pay your own cloud.	LAYER 2 · WORKFLOWS GitOps MLOps Data → train → register → serve → monitor, all declared in Git. Drift triggers retraining; LLM providers swap with one manifest. WHO IT'S FOR Teams moving from notebook-driven ML to reproducible production pipelines. STATUS Documented on frakma.io; set up by Warble in the enterprise tiers. Reflexion: closed beta, shadow mode. PRICING Free to run yourself; Warble setup included in enterprise tiers.	LAYER 3 · PRODUCTION Enterprise edition FRAKMA fully managed on your AKS or GKE cluster. Warble deploys, configures and supports the platform. WHO IT'S FOR Teams running production ML and LLM workloads. STATUS Offered on frakma.io/enterprise.html; Stripe checkout for Starter and Growth. PRICING Starter \$5,000/mo · Growth \$15,000/mo · Enterprise custom.
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HOW THE GITOPS WORKFLOW RUNS

01 Bootstrap Argo CD app-of-apps wired to your Git repo	02 Pipelines Airflow DAGs with GitSync, wired to your data	03 Train KubeRay jobs and fine-tuning pipelines	04 Register MLflow; artifacts in Azure Blob, GCS or S3	05 Serve KServe InferenceService, canary rollouts	06 Monitor Prometheus and Grafana; drift → retrain
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Foundation status. Per [warbleoss.org](#), Frakma-X is Warble's Linux Foundation wing, still forming. The CNCF Sandbox path is for Starling EX Community. Neither is foundation-accepted. Which project goes to CNCF: **[confirm]**.

Run the Community Edition this week, or let Warble run it for you.

[frakma.io/enterprise.html](#)