LatentWorlds AI
THE DEPLOYMENT BACKEND FOR PHYSICAL AI

Senior Software Engineer
Distributed Systems (Rust)

Type : Full-time   Location : Delft, Zurich, or remote

Apply : CV + short note + work links: careers@latentworlds.ai

LatentWorlds is building a **cloud platform for operating, scaling, and continuously improving physical AI systems in the real world**. This role spans the platform foundations that make real deployments workable: core services, APIs, workflows, execution primitives, and the infrastructure they depend on.

The Role

You will build distributed systems that sit on the **critical path of robot deployments** and underpin higher-level platform capabilities. The hard part is not isolated backend plumbing; it is designing platform primitives that stay dependable under real constraints: unstable networks, large payloads, time alignment across sensors, user-defined workflows, and customers who need clear guarantees.

We are early and the scope is **intentionally flexible**. We want someone who enjoys owning ambiguous problems and turning them into clean primitives that other platform layers can build on.

What You Will Work On

- **Ingestion reliability:** resumable uploads, backpressure, durable acknowledgements, and end-to-end integrity checks.
- **Storage, indexing, and retrieval:** manifests, metadata models, and APIs that keep time-aligned access cheap and fast.
- **Workflow and execution primitives:** dataset versions, provenance hooks, execution substrates, and new services that higher-level pipelines and applications can build on.
- **Ops and governance:** identity, RBAC, audit trails, retention and deletion controls, and the observability metrics that keep us honest.
- **Platform expansion:** define and build new services, APIs, and product-facing capabilities where the platform needs to grow.

Who We Are Looking For

We care most about **talent, ownership, and learning speed**. Strong candidates usually show:

- **Production experience** shipping distributed systems that other engineers relied on.
- **Systems thinking** around outages, retries, backpressure, consistency, and correctness at the edges.
- **API and data-model craft** that stays stable under real product pressure.
- **Clear communication** and strong programming fundamentals.
- **Working Rust knowledge,** especially async Rust.

Bonus points for Rust async or systems work, multi-tenant SaaS infrastructure, protocol or performance work, and exposure to robotics data formats or time sync.

LatentWorlds AI is an equal opportunity employer.