IDP: Agentic Robot Orchestrator

You will be a significant part of a small team that creates the MVP of a next-generation framework which empowers intelligent agents to architect and deploy warehouse automation pipelines.

In this project, your mission is to create the working prototype of an automation workflow engine, where each execution block encapsulates an arbitrarily complex bit of logic. Behind the scenes, your backend will orchestrate static code checks or run compilations—giving immediate feedback to users or AI agents as they assemble complex automation flows, expressed in a generic domain specific language (DSL) defined by you and your team—and links the so-created logic against a deterministic execution engine.

On the frontend, you may present your MVP by rendering a responsive interface that feels as natural as drawing a flowchart but delivers the speed and safety guarantees of compiled code.

Join us, implement, and test your ideas with our real robots!

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At a Glance

- **Full–Stack Rust Architecture:** Rocket backend, Yew frontend, SurrealDB persistence
- **Agentic AI Integration:** LLM–powered assistants for code generation, extension, and debugging
- **Asynchronous Compilation Pipeline:** Real–time static verification of user–defined Rust snippets
- **RAG Pipeline:** Fusing different information sources for actual working workflows
- **Visual Workflow Editor:** Node–based UI for composing, testing, and deploying automation flows

Suggsted Roles

- 2x Frontend, backend, or full-staack developer (e.g. typescript, rust, python)
- 1x ML automation engineer (software architecture, API design, DSL)

Contact

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