**1. Problem and Customer**

**Problem:**

* ML engineers, researchers, and companies face high technical and decision-making overhead when fine-tuning or customizing LLMs.
* Existing platforms either focus on **frontend prototyping (e.g., v0.dev)** or **full-stack development (e.g., bolt.new)** but lack integrated research-backed tools for seamless **dataset discovery, model selection, and deployment**.
* Developers struggle to:
  + Find or generate suitable datasets.
  + Match datasets effectively with model architectures.
  + Rapidly iterate without rebuilding from scratch.

**Customer:**

* **Primary:** ML engineers, AI researchers, and startups building LLM-based products.
* **Secondary:** Enterprises investing in custom AI solutions that need internal prototyping capabilities.

**2. Solution – How to Address the Problem**

**Agentic LLM Prototyping Platform**

* Provides an **intelligent system for rapid prototyping and fine-tuning** of LLM/SLM models.
* Transforms abstract model concepts into **modular, deployable codebases** optimized for different compute environments.
* Integrates **deep research tooling** to help:
  + Identify optimal datasets.
  + Discover pretrained models.
  + Support architectural decision-making with multi-step reasoning.
* Built as **modular, composable tools** to solve high-friction tasks (starting with dataset preparation and model selection).

**Key Components:**

1. **Dataset Generation (v1 complete):** Task-specific, high-quality datasets with metadata and usage documentation.
2. **Research Agent (in progress):** Automates identification of best-fit datasets and pretrained models.
3. **Early Access Program:** Industry partners and developers test internal prototypes and provide feedback.

**3. Justification – Customer Willingness to Pay**

* **High Willingness to Pay:**
  + ML teams spend significant time and resources on dataset preparation and model fine-tuning. Reducing this friction provides immediate ROI.
  + Enterprises value faster iteration cycles and reduced engineering overhead.
* **Validation Evidence:**
  + Developers and researchers confirm dataset/model-matching is a **pain point worth paying for**.
  + Competing tools (e.g., Unsloth, Kiln AI, Gretel AI) show market demand, but lack the **research-driven modularity** this platform provides.
* **Strategic Timing:**
  + Recent advances in **small language models (SLMs)** enable efficient agent-driven workflows.
  + Market is still underexplored in **interactive research-as-a-service agents**, giving first-mover advantage.