TRACKIT — AUTOMATIC NOTEBOOK LINEAGE & AI EXPERIMENT SUMMARIES

Role: Product · Research · UX · System Design · Applied ML

> Users (and I) reconstructed prior experiments 50–70% faster, with clear, structured lineage and zero manual documentation.

Problem

Data scientists run rapid preprocessing experiments inside notebooks, but no tool automatically captures experiments performed on data.

User Research

- Reddit (ML/DS) + Slack communities
- Hacker News
- 1:1 practitioner interviews
- 40+ qualitative responses

Key insights

- Users frequently lose track of transformation logic
- Manual workarounds don't scale
- Zero adoption friction is critical.
- Strong demand for passive, local, automatic lineage capture.

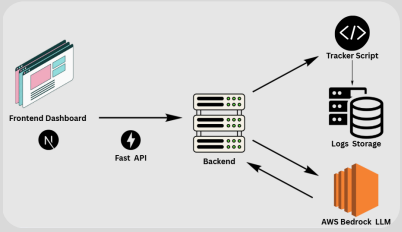
Ideal Customer Profile

1. Primary ICP: Notebook-First Data Scientists in Small Teams (1–5 People)
2. Secondary ICP: ML Engineers + Applied Scientists in Growing Teams (5–20 People)

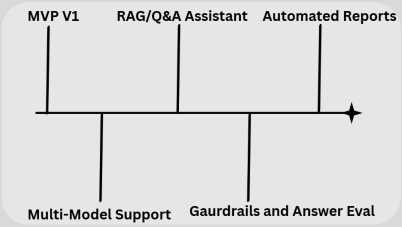
Solution (MVP Shipped)

Automatically tracks preprocessing lineage inside notebooks and generates LLM-powered experiment summaries — with zero workflow change.

Architecture



Roadmap



Deliverables

- Research + insights synthesis
- Problem framing + ICP
- UX flows + Next.js frontend
- LLM prompt engineering + Bedrock integration
- Metrics, architecture, and roadmap

Links

- Landing page / Demo: https://track-it-land.vercel.app
- Slide Deck: https://portfolio-assets-arch.s3.eu-west-2.amazonaws.com/trackIt/trackIt+slideDeck.pdf
- GitHub: GitHub - arjunm97/trackIT-Package: Track IT package
- Portfolio: https://www.arjunportfolio.xyz