KATIE DICKIESON

PRODUCT · APPLIED AI · LIFE SCIENCE

Grounded AI, regulated product, customers, sequencing, bench. One habit: every claim traced to its source.

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SUMMARY

Product manager who designs and builds grounded AI for audited, document-heavy work. One method across five settings, not five careers. Designed and built a citation-backed AI assistant for a Fortune Global 500 supplier's packaging audits, licensed for evaluation with two of nine modules working, against a manual lookup that costs roughly $2.5M a year: retrieval follows the standard's own clause structure, every answer cites its passage, "I don't know" is a valid output, and misses are read one at a time. Before that, Sartorius Product Manager for a regulated reagents portfolio, on a team that checked specifications, certificates of analysis and labels against GMP before launch. Nothing ships that cannot show its source.

EXPERIENCE

Founder · Software Products & Applied AI
2024-Present

We Be Now / FTA · Fortune Global 500 automotive supplier (contract client)

- Designed and built a citation-backed AI assistant for the client's packaging-audit process; licensed for evaluation, with two of nine modules working. The manual lookup it targets costs roughly $2.5M a year across 140 North American plants.
- Defined the retrieval requirements: split the audit standard along its own nested clauses, not token count, and made "I don't know" a valid answer.
- Evaluated the assistant miss by miss, not by aggregate score, exposing the failure mode: answers citing a real passage but wrong about scope.
- Built it on the client's rubric and the packaging director's recorded walkthrough; out-of-scope questions route to her, and an admin page lets her update its sources herself, with no code. She demoed it to her forum of engineers, and it went to the executive steering committee in June 2026.
- Rebuilt the back end of the client engineers' product-management work so back-end and front-end people would not need a call for every question.
- Built Own the Margin through Claude Code: a multi-step AI pipeline with structured output (JSON schema), lint checks and a human review gate; on sale, no purchases yet. Separately shipped two commercial apps end to end.

Product Manager · Regulated Life-Science Portfolio
2022-2024

Sartorius

- Owned scope, requirements, delivery and metrics for a regulated reagents and consumables portfolio; reported status, risk and decisions to a C-suite steering committee.
- Part of the team that checked product documentation (specifications, certificates of analysis, labels) against GMP requirements before launch.
- Worked the Asia-Pacific rollout of a partner's collagen and ECM line: origin, form, ingredients and customs codes for about 170 products, about 90 safety data sheets and certificates of origin, and each country's import requirements.

Application Specialist · Cell & Gene Therapies
2022

Sartorius

- Managed timelines, deliverables and client onboarding for companies that contracted Sartorius for cell line development; supported their bioassay testing.
- Worked directly with cell and gene therapy customers on their applications.

Research Associate · Protein Purification
2021-2022

Double Rainbow Biosciences

- In charge of protein purification at a 20-person startup; got purified protein to the chief medical officer toward clinical studies.

Graduate Researcher · Cornell M.Eng
2020-2021

Weill Cornell Genomics (Mason Lab) · Cornell Plant Biology

- Ran fast-moving COVID-19 genomic sequencing at Weill Cornell, including Bermuda's first Delta and Omicron sequencing through a Mason lab collaboration that continued into December 2021.
- Extracted RNA and prepared all 42 RNA-seq libraries for my M.Eng thesis myself; XPRIZE Rapid Covid Testing science team.

CORE SKILLS

- Applied AI: RAG, grounding and citations
- Defining valid outputs for an AI feature
- AI evaluation: reading misses, not scores
- Human-in-the-loop review gates
- Structured output and deterministic checks
- APIs, integrations and data models
- Prototyping in Claude Code
- Product requirements definition
- GMP documentation checks, as part of a team
- Executive and stakeholder communication
- Cross-functional delivery
- Life-science tools and cell and gene therapy

EDUCATION

Master of Engineering, Biomedical Engineering
Cornell University · 2021

B.S., Biological Sciences (Pre-Med)
Florida Atlantic University · 2019

REFERENCE

References available on request