

Greg Ellson

New York, NY | +1 914 419 6152 | greg@ellson.org | U.S. Citizen | [LinkedIn](#)

SUMMARY

Applied AI product leader who builds. Founded an AI-native startup and personally architected its agentic AI platform. Previously spent six years leading product and engineering for an advanced additive manufacturing platform. Materials science PhD turned founder with daily fluency in AI-assisted product development and first-hand knowledge of what it takes to run a business AI-native, from engineering to legal, marketing, finance, and research.

SKILLS

Applied AI: Agentic systems · LLM orchestration & tool use · Prompt engineering · Evaluation frameworks · RAG · Generative AI / GenAI · Loop engineering · Deep agents

Building: Agentic engineering workflows · Claude Code, Cursor, Codex · Typescript · React · Python · Rust · Rapid prototyping · System architecture · Spec-driven development

Product: Zero-to-one development · Product discovery · AI-native business operations · Agile

EXPERIENCE

Founder & CEO | DigiChem Corporation, New York, NY

May 2024 – Present

- Architected and personally built an agentic AI platform that autonomously executes complex chemical manufacturing workflows, orchestrating frontier LLMs with proprietary domain expertise and computational chemistry tools.
- Built the product hands-on as a technical founder using agentic development tools, taking the system from concept to a working product in the hands of design partners.
- Designed the company's end to end agentic engineering workflow, including spec driven development, UI/UX prototyping, and automated agent loops for code review, CI failure repair, and security auditing.
- Ran continuous product discovery with chemists, translating expert-user pain points into core platform workflows and design-partner pilots; raised outside funding on the strength of the working product.
- Ran the entire company on an AI-native operating model for legal, marketing, financial modeling, and market research all built on AI workflows, proving where AI transforms business operations beyond engineering.

Principal | Praxis Ventures, Boston, MA

Sep 2023 – May 2024

- Sourced and evaluated early-stage software and manufacturing companies, conducted rigorous technical and commercial due diligence, and advised portfolio companies on product strategy and positioning.

Director, Product & Applications | Inkbit, Boston, MA

Aug 2021 – Jun 2023

- Led the full product lifecycle for Inkbit Construct, a standalone digital build-preparation software product, prioritizing 100+ features across 18 customer releases.
- Drove discovery and development programs across software and advanced materials for Inkbit's 3D printing platform, working daily with engineers and expert users.
- Built and managed an application engineering team evaluating customer use cases, developing in-depth cost models, and advocating for user-driven technical improvements.

Product Manager | Inkbit, Boston, MA

Nov 2019 – Aug 2021

- Sole PM: built the company's product management function from scratch, defining key platform capabilities and product strategy for a complex hardware and software system.

Director, Materials & Process Engineering | Inkbit, Boston, MA

Jul 2017 – Nov 2019

- Joined as Process Engineer and rose to direct the interdisciplinary R&D team building the manufacturing platform; managed a \$2.5M Johnson & Johnson joint development agreement and delivered DARPA- and NSF-funded program milestones.

EDUCATION

PhD, Materials Science & Engineering | UT Dallas

2014 – 2017

B.S., Mechanical Engineering | Georgia Tech

2010 – 2014