

CRAIG PAUGA

Principal Product Manager – AI/ML

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Seattle, Washington

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Professional Summary

Product Manager with 9+ years of experience driving AI/ML product innovation across industries, including manufacturing, transportation, and pharmaceuticals. Proven track record of delivering high-impact solutions, such as reducing real-time vision platform latency by 70% and uncovering \$20M in missed revenue through LLM-driven contract intelligence. Skilled in edge deployment, NVIDIA hardware, and deep learning frameworks, with expertise in leading cross-functional teams to execute complex architectures. Holds advanced degrees in AI and Systems Engineering, along with PMP and CSPO certifications.

Work Experience

Senior Product Manager – AI/ML

Mar 2021 – Present

ClearObject • Seattle, Washington

- Rebuilt the inference engine of an underperforming real-time vision platform, distilling models and deploying on TensorRT and DeepStream to cut average latency from ~1.1s to under 300ms, enabling high-frame-rate use cases and expanding the addressable market
- Grew the product from scratch into a multi-industry platform spanning manufacturing, food & beverage, civil, and retail; defined product requirements and roadmap to deliver VLM-based defect detection, code-date analysis, SOP compliance monitoring, and foreign-object detection
- Directed 10+ engineers and technical program managers from research through edge production deployment on NVIDIA hardware; retired legacy architecture and its technical debt through a ground-up rebuild that restored reliability
- Led inference engine development for a vision and lidar sensor-fusion safety system that detects vehicle intrusions into dynamic workzones and alerts crews early; deployed with state transportation agencies and expanding
- Owned technical execution, architecture approvals, and adoption for an agentic contract-intelligence platform at a global pharmaceutical client, using 3-pass LLM extraction and agentic routing to reach 100% field-level accuracy against manually reviewed golden contracts
- Launched agentic workflows that apply deep business logic to extracted data at 95% accuracy, uncovering \$20M in missed annual price increases and monitoring deal health over multi-year contracts

Product Owner – Application Technologies

Mar 2020 – Mar 2021

Moser Consulting • Indianapolis, Indiana

- Led product for OCR perception models serving the State of Indiana, owning iteration cycles and production deployment strategy for document processing across millions of records
- Launched new text recognition capabilities that improved accuracy by 50% against ground truth

Software Engineer, Project Lead, Product Lead

Aug 2014 – Mar 2020

Rolls-Royce • Indianapolis, Indiana

- Advanced from Agile Product Lead to Technical Project Lead to Software Engineer; directed 15+ engineers and earned the 2017 company-wide award for most value delivered, then built C#, Python, and React systems that cut process times by 75%

Education

Georgia Institute of Technology Artificial Intelligence, Deep Learning Masters of Computer Science GPA: 3.70/4.00	May 2022
University of Illinois Masters of Systems Engineering GPA: 3.83/4.00	May 2016
University of Illinois Bachelors of Aerospace Engineering GPA: 3.61/4.00	May 2014

Skills

AI/ML, TensorRT, DeepStream, NVIDIA hardware, LLM, OCR, C#, Python, React, Scrum, Project Management, Edge deployment, Production deployment, Telemetry

Project

<i>Edge Computing Initialization Kit</i>	Jul 2026
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Certificates

Certified Scrum Product Owner (CSPO) Scrum Alliance	2018
Project Management Professional (PMP) PMI Institute	2018