

MOHAMED MATTAR

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AI Product Leader | ML, LLM & Agentic AI Platforms | Data-Driven Decision Systems

Senior AI product leader with 13 years building zero-to-one and enterprise-scale platforms that turn complex data into decision systems. Led a 12-person team shipping ML, LLM, and agentic AI capabilities serving 500+ users and delivering \$30–50M annually. Daily user of agentic coding tools, personally prototyping automations that accelerate team decisions.

EXPERIENCE

Ford Motor Company — Dearborn, Michigan · 2013 – Present

Senior Product Manager, Connected Vehicle AI & Quality Analytics

Oct 2021 – Present

- **Own product vision and roadmap** for a cloud-native AI platform serving 500+ monthly users, delivering \$30–50M in annual value; lead a 12-person team across software, data engineering, data science, and design.
- **Launched 3 analytics products and led 15+ critical investigations:** scaled and transitioned all 3 from concept to enterprise adoption; investigations included one informing 129 recalls across 7 million vehicles and others saving millions in warranty costs.
- **Led development of LLM linkage pipelines** connecting warranty claims to diagnostic (DTC) descriptions, improving linkage accuracy and surfacing emerging issues ~45 days earlier, saving millions annually.
- **Shifted prioritization to lifetime warranty cost** by layering Weibull analysis on the linkage data; re-prioritizing by projected cost over failure rate lifted the value of selected projects 10x, putting \$100M+ in addressable warranty spend in scope for one department in a year.
- **Defined and launched agentic AI features:** explainable page summaries cutting ~20 minutes of analysis per engineer, plus chat-with-data agents; orchestrator and causal-inference agents now in development.
- **Improved platform performance and trust:** increased usage 33%, cut false issue detections 50%, and improved API response time 90% by leading migration to Google Cloud.
- **Led the team's AI adoption,** moving from chat-based AI to agentic coding workflows (OpenCode integrated with Jira, BigQuery, GitHub); personally built 7 internal automation tools in the first 7 weeks, including an executive hot-sheet generator and an embedding-based search tool.

Agile Product Manager, Connected Vehicle AI & Quality Analytics

Feb 2021 – Sep 2021

- **Productized the root cause analysis tool I designed** into an enterprise ML web platform with an 8-person cross-functional team, taking it from concept to enterprise adoption and driving \$100M+ in annual warranty savings by cutting time-to-root-cause by 3 weeks.

Six Sigma Black Belt & Data Scientist, Powertrain Engineering

Sep 2015 – Jan 2021

- **Built an automatic root-cause analysis tool** using large-scale data fusion; released 10+ versions, trained 150 super-users, and resolved 19 major warranty issues saving up to \$1.6M each.

Product Development Engineer, Rotational Program (Powertrain)

Jan 2013 – Aug 2015

ACHIEVEMENTS

- **2024 Henry Ford Technology Award** (Ford's highest technical honor) for an AI-powered root-cause tool cutting resolution time by 3 weeks and saving \$100M+ annually; awarded a related trade secret.
- **3 patents** for mobility and analytics innovations.
- **Selected for Ford's inaugural "Thirty Under 30"** leadership program.
- **Founded 2 professional organizations** with 3,000+ combined members.

EDUCATION

- **University of Michigan** — M.S. Engineering, Energy Systems (2017); B.S. Mechanical Engineering, Math minor (2012)

SKILLS

- **AI Product Domains** - LLMs & Generative AI, Agentic AI & Tool-Calling, Multi-Agent Orchestration, RAG, Machine Learning, Causal Inference
- **AI Tooling (hands-on)** - OpenCode, Claude, Replit, GitHub Copilot, Prompt Engineering, MCP Integrations
- **Product Leadership** - Strategy & Roadmapping, Zero-to-One, Prioritization, KPI & OKR Design, Cross-Functional Leadership, Agile Product Management (SAFe), Design Thinking
- **Data & Platforms** - SQL, GCP (BigQuery), Jira, Power BI, Tableau, R; Lean Six Sigma Black Belt