
I build production AI systems on Azure, and I run one in production.

AVAILABLE FOR

Subcontract delivery on Azure and AI engagements: architecture, hands-on build, and the evaluation work that makes model output safe to put in front of a client's compliance or operations team. Onsite in the GTA or remote. **Currently taking on new engagements.**

WHAT I BUILT

CargoLint, an AI document classification and validation platform for customs and trade compliance. Designed, built and shipped on my own, end to end.

- Multi-stage retrieval pipeline on Azure OpenAI with schema-enforced structured outputs and routing by product family
- Per-field confidence scoring. Anything below threshold routes to a human reviewer, and the system declines to answer rather than returning a classification it cannot support
- Provenance tracking from every extracted value back to its source text
- A 1,480-case evaluation dataset built from WCO Harmonized System 2022 nomenclature, used to regression-test extraction accuracy on every pipeline change
- Multi-tenant on ASP.NET Core, Azure App Services and Azure SQL, with a Python ML service and a Vue and TypeScript front end, built to SOC 2 readiness
- Resilient Azure OpenAI integration: timeout handling, retry strategy, structured error telemetry, and a production model-performance regression diagnosed through Application Insights and KQL

Accuracy on this system is a **measured number rather than a claim**: 1,480 cases, scored by product family, re-verified whenever the pipeline changes. Knowing how often a model is wrong, and on which kinds of input, is what decides whether a workflow can run end to end or has to be built around human review. It is the first question I ask on any AI engagement, and the harness that answers it is usually the first thing I build.

SIXTEEN YEARS BEFORE THAT

Enterprise .NET and Azure delivery across e-commerce, logistics, manufacturing, retail and healthcare. Multi-tenant consumer platforms serving several brands from a single codebase. High-throughput catalog synchronisation between back-office systems and storefronts. ETL modernisation, data warehousing, release engineering and production operations.

Clients have included a Fortune 500 manufacturer, a global apparel brand, a national clinical laboratory network, and a utility billing platform. Technical lead on ten-plus enterprise engagements, responsible for architecture, estimation, code review and delivery.

STACK

AI and ML	Azure OpenAI, retrieval pipeline design, structured outputs with schema enforcement, confidence scoring and gating, evaluation dataset construction, regression testing of model output, Python ML services
Languages	C#, .NET and .NET Core, ASP.NET Core, EF Core, SQL Server, T-SQL, REST APIs, TypeScript, Vue, Angular, Python
Cloud, DevOps	Azure App Services, Functions, SQL Database, Data Factory, Blob Storage, Front Door, Application Insights; Azure DevOps, Docker, Git, CI/CD
Data	SSIS, Azure Data Factory, ETL pipelines, data warehousing, query performance tuning, Power BI
Architecture	Multi-tenant SaaS, microservices, event-driven systems, API-first design, cloud-native migration, enterprise integration
Compliance	SOC 2 readiness, GDPR, ISO 27001

HOW I ENGAGE

- Corp-to-corp through Intelligent Metrics Inc.
- Fixed-scope or time and materials
- Right-to-represent signed per named client and opportunity
- Rate on request