

Ali Taggaz

Senior Software Engineer — Agentic AI & Enterprise Systems

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Remote — France / Europe (CET)

LinkedIn · alitaggaz

GitHub · codeurali

MCP Dataverse (repo) · mcp-dataverse

Languages: French — Native · English — Professional working proficiency

Senior Software Engineer with 5+ years of enterprise software delivery at Hitachi Solutions and production-grade agentic AI systems. Author of MCP Dataverse, an MIT-licensed Model Context Protocol (MCP) server with 100 tools that gives AI agents secure, structured access to Microsoft Dataverse. Built internal agent context & memory infrastructure and a guided agentic delivery framework adopted across delivery teams. Bridges LLM and agent tooling with real enterprise platforms — Azure, REST APIs, CI/CD — from architecture to production.

SELECTED AGENTIC AI WORK

MCP Dataverse

Founder · Author · Maintainer

Model Context Protocol (MCP) server that gives AI agents secure, structured access to Microsoft Dataverse — schema, metadata, data, and platform operations through the Dataverse Web API.

- Designed and shipped a production-grade MCP server in TypeScript exposing 100 structured tools (81 core and 19 MCP App bridge tools) across 28 categories — CRUD, OData & FetchXML queries, metadata, batch, RBAC, solutions, audit, and schema write.
- Implemented three enterprise authentication modes (device code, client credentials, managed identity via MSAL) with AES-256-GCM encrypted token caching and guardrails on destructive operations.
- Distributed via npm/npx (mcp-dataverse, 8,000+ downloads) and published on the official MCP Registry; works with Claude, VS Code Copilot, Cursor, Windsurf, and any MCP client.
- Production-quality engineering: modular architecture, structured outputs, stdio + HTTP/SSE transports, automated tests, CI, documentation site, changelog, and public roadmap.

Agent Context & Memory Infrastructure

Creator · Lead

Internal context and memory system for AI-assisted development across large, multi-team codebases. Persists repository knowledge — architecture decisions, patterns, and team conventions — so coding agents retrieve the right context across sessions and team members.

- Team-level shared context and memory harness: reduces onboarding friction, context loss, and AI hallucination risk on unfamiliar codebases.
- Retrieval via vector search and Azure-native services across large, multi-team projects.
- Deployed and adopted across delivery teams for day-to-day AI-assisted development.

Agentic Delivery Framework

Creator · Lead

Installable, Copilot-native delivery framework that structures the full software delivery lifecycle — discovery, architecture, implementation, review, and production deployment — for AI-assisted teams.

- Enforces explicit human-in-the-loop checkpoints at architecture decisions, implementation gates, and ALM promotion — production governance for agentic delivery at scale.
- Runtime integrates MCP servers to ground recommendations on live project context; installable into any target project via CLI.
- Adopted across teams and business domains to scale structured agentic workflows.

EXPERIENCE

Senior Technical Consultant — Power Platform, Dynamics 365 & Agentic AI Tooling

Hitachi Solutions

Jan 2021 – Present · France / Remote

Senior technical consultant and engineering referent across multi-sector engagements (public sector, healthcare, automotive, real estate). Leads internal agentic AI tooling initiatives and drives adoption of AI-assisted delivery methodologies across teams.

- Leads internal agentic AI tooling: designed and shipped a context & memory infrastructure for AI-assisted development and a guided agentic delivery framework — both deployed and actively used across delivery teams.
- Drives adoption of agentic workflows and AI-assisted engineering (Copilot enablement) across teams and business domains.
- Technical referent for architecture and engineering standards across project teams of 5–30+ engineers: reviewed implementations, set development standards, and answered complex technical questions.
- Ran discovery and solution-architecture workshops; translated business requirements into data models, integration design, and delivery roadmaps.
- Redesigned the ALM and CI/CD pipeline, environment strategy, and solution structure for a healthcare client — cleared deployment debt and established reproducible release governance.
- Built a PCF component integrating ArcGIS with a georeferenced database for a large public-sector contract; resolved sandbox and third-party constraints in the PCF runtime.
- Mentored engineers on platform patterns, ALM, and AI-assisted practices; ran knowledge-transfer and onboarding sessions across engagements.

Web Developer

Freelance

2020 – 2021 · France / UK

Independent web development for small businesses in France and the UK — custom WordPress sites (PHP themes, React integrations) and SEO/security audits.

Communications Officer / Webmaster

Digital Media & Communications

2014 – 2019

Earlier career in web content, digital communications, and WordPress site creation in media environments — built early experience with stakeholder communication and web publishing.

SKILLS

AI & Agentic Systems

- Model Context Protocol (MCP)
- MCP server development
- AI agents & agentic workflows
- LLM integration & coding agents (Claude, GitHub Copilot)
- Prompt & context engineering
- Retrieval / semantic search (embeddings, vector search)
- Human-in-the-loop systems
- AI adoption & enablement

Cloud & DevOps

- Azure
- Azure DevOps
- Git
- GitHub Actions
- CI/CD
- Docker
- ALM

Software Engineering

- TypeScript
- JavaScript
- Node.js
- Python
- C#
- .NET
- React
- REST APIs
- Automated testing
- PowerShell

Enterprise Platforms & Integrations

- Microsoft Dataverse
- Dynamics 365
- Power Platform
- Integration design
- Solution architecture
- Data modelling
- OData / FetchXML

EDUCATION

WebForce3

Bachelor's (EQF Level 6 / Bac+3) · Business Application Development & Power Platform

2021 – 2022

Completed in alternance at Hitachi Solutions (2021–2022).

CEFIM

Web & Mobile Development

– 2020

Hands-on web and mobile development training, with internships: Noctabene (smart-city IoT, PHP) and Ringo Studio (ReactJS, Laravel).