

ATILIO MOREIRA

Cloud Solution Architect • AI & Platform Architect • Hands-on Tech Lead • Full-Stack & DevOps

Azure Solutions Architect Expert (AZ-305) • 7x Microsoft, AWS & Scrum.org Certified • MBA in Software Architecture

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EU Blue Card (Spain), valid through 2028, eligible for EU mobility • Portuguese Residence Permit • Open to remote or relocation (Italy, EU)

AI & AGENTIC SYSTEMS

- Azure OpenAI • Microsoft Foundry
- Azure AI Search
- RAG architecture & pipelines
- Hybrid retrieval • embeddings
- Chunking • vectorisation
- Semantic Kernel
- Microsoft Agent Framework
- MCP • A2A • tool calling
- Agent tool design • streaming
- Prompt engineering • function calling
- Grounding & response handling
- Document Intelligence / OCR
- LangChain • LlamaIndex
- Claude Code • GitHub Copilot

LANGUAGES & FRAMEWORKS

- C# • .NET 8 / .NET 10 • ASP.NET Core
- Python • Node.js • TypeScript
- React 19 • Angular • Next.js
- Java • Spring Boot (prior)

AZURE (AZ-305 EXPERT)

- AKS • Container Apps • Functions
- App Service • Cosmos DB • Dapr
- Service Bus • Event Hubs • APIM
- Key Vault • Entra ID • Logic Apps
- Dataverse • Event Grid • Front Door

DATA & ANALYTICS

- Microsoft Fabric • Synapse
- Databricks • Azure Data Factory
- Data Lake • SQL Server • Cosmos DB
- ETL / ELT • batch & streaming
- Python data pipelines • Kafka

AWS (SAA CERTIFIED)

- Lambda • SQS/SNS • DynamoDB
- EKS • ECS/Fargate • S3 • EC2
- EventBridge • Cognito • CDK

ARCHITECTURE & INTEGRATION

- Microservices • DDD • Clean Arch.
- Hexagonal • CQRS • Saga • Outbox
- Event Sourcing • Strangler Fig
- RAG & agentic system design
- REST / YARP • caching
- Apache Kafka • RabbitMQ
- SAP ↔ Azure • iPaaS
- API governance • ADRs • LeanIX

DEVOPS & OBSERVABILITY

- Docker • Kubernetes • Helm
- Terraform • Bicep • CDK
- Azure DevOps • GitHub Actions
- CI/CD • DevSecOps • GitOps
- App Insights • Log Analytics • KQL
- Grafana • Loki • OpenTelemetry
- SLO/SLI • FinOps • incident mgmt

CERTIFICATIONS

- AZ-305 Solutions Architect Expert
- AZ-204 Developer Associate
- AZ-104 Administrator Associate
- AZ-900 Fundamentals
- AWS Solutions Architect – Associate
- PSM I • PSPO I — Scrum.org

EDUCATION

MSc Business Dev. & Innovation
Must University (2021–2024)
MBA in Software Architecture
XP Educação (2022–2024)

PROFESSIONAL PROFILE

Cloud Solution Architect, AI & Enterprise Platform Architect, and hands-on Technical Lead with 20+ years delivering distributed, cloud-native and AI-powered systems. Microsoft Certified Azure Solutions Architect Expert (AZ-305), with strong hands-on experience in C# / .NET 8 & 10, Python, ASP.NET Core, React / TypeScript, Azure and event-driven architectures.

Currently at Surventis (formerly BASF Coatings), owning architecture decisions across enterprise SaaS and AI platforms and acting as technical lead for development teams. Work spans RAG, Microsoft Foundry (formerly Azure AI Foundry), Microsoft Agent Framework, MCP, Azure platform architecture, Developer Experience, production troubleshooting and operational readiness, working directly with product owners, business stakeholders and leadership.

Domain experience across chemicals, manufacturing, logistics, healthcare, pharma, e-commerce and fintech. Tech Lead / Architect since 2014 across IBM, CNH Industrial, Jabil, Maersk and Surventis (BASF). Comfortable in client-facing work, from discovery workshops to business cases.

Hands-on by nature — comfortable supporting developers at code and runtime level while owning the broader technical direction.

SIGNATURE ACHIEVEMENTS

- ▶ Lead the architecture of an enterprise RAG and AI assistant platform, evolving toward multi-agent workflows with Microsoft Agent Framework, Microsoft Foundry and MCP.
- ▶ Delivered a production RAG solution (Azure OpenAI + Azure AI Search + Semantic Kernel) automating 70% of document classification and reducing operator handling time by 45%.
- ▶ Own and drive 16 Architecture Decision Records for an enterprise multi-brand SaaS platform — data decoupling, event routing, integration patterns, lifecycle management and service boundaries.
- ▶ Founded and currently lead an internal Cloud & .NET Community of Practice — architecture governance, ADRs and reusable engineering patterns.

PROFESSIONAL EXPERIENCE

Cloud Solution Architect | AI Architect | Tech Lead | Full-Stack & DevOps

Surventis (formerly BASF Coatings) • Spain (Remote) | Aug 2025 – Present

- ▶ Own architecture decisions across enterprise AI and multi-brand SaaS platforms while acting as hands-on Technical Lead — translating requirements, risks and production findings into actionable decisions and practical implementation guidance for development teams.
- ▶ Author and drive 16 ADRs covering database decoupling, event routing, synchronous vs. asynchronous integration, article lifecycle, service boundaries and platform evolution; introduced architecture sign-off as part of the Definition of Ready.
- ▶ Lead the architecture of an enterprise RAG platform for building and managing AI assistants — hands-on across backend and frontend in .NET 10 / Linux and React 19 / TypeScript, with conversation history on Cosmos DB and client-side encryption backed by Key Vault.
- ▶ Drive the transition from Semantic Kernel to Microsoft Agent Framework for multi-agent workflows and from Azure OpenAI to Microsoft Foundry, with per-assistant model mapping, model upgrade flows and streaming / tool-calling event handling.
- ▶ Design MCP-based tools for AI agents — including an explanation layer over a large-scale scheduling optimisation engine, so agents can explain why an activity was not scheduled and what would make it schedulable, with a hierarchical resource → shift → position model and tiered retrieval keeping individual calls under 2 seconds.
- ▶ Lead AI-assisted Developer Experience initiatives — integrating Claude Code and GitHub Copilot with repository-specific engineering conventions, reusable prompts and controlled review workflows for architecture, security, compatibility and test coverage.
- ▶ Define Azure platform architecture across AKS, Container Apps, Functions, APIM, Cosmos DB, Service Bus, Azure AI Search, Document Intelligence and SAP integrations with Terraform, Bicep, Docker and Azure DevOps — writing and reviewing IaC, container and pipeline configuration, and defining engineering standards for data access, transaction boundaries, structured logging, migrations and testing.
- ▶ Investigate and root-cause complex production issues across .NET services, Dapr and Azure Service Bus using source-code analysis, Application Insights, Log Analytics and KQL — diagnosing incorrect regional routing, model-binding failures before application logic executed and silent-failure scenarios; defined idempotent recovery, controlled backfill and the observability baselines and alerting that were missing.
- ▶ Performed a security review that identified 16 security findings, including high-severity secrets-management and configuration risks that existing automated analysis had not surfaced; supported an enterprise Azure tenant carve-out, classifying resources for migration and identifying dependencies and risks missing from the integrator's architecture view.

Tech: Microsoft Foundry, Azure OpenAI, Azure AI Search, Microsoft Agent Framework, Semantic Kernel, MCP Server, Claude Code, GitHub Copilot, C# / .NET 10, ASP.NET Core, React 19, TypeScript, Dapr, AKS, Container Apps, APIM, Cosmos DB, Service Bus, Key Vault, Entra ID, Document Intelligence, SAP, Terraform, Bicep, Azure

Postgrad BI, Big Data & Analytics

Uniderp (2021–2022)

B.Sc. Information Systems

UNISO (2002–2006)

LANGUAGES

- Portuguese — Native
- English — Professional
- Spanish — Professional
- German · Italian · French — in progress

DevOps, App Insights, KQL, OpenTelemetry.

Senior Full-Stack Engineer → Technical Lead | Cloud & AI Architect

Maersk · Remote | **Aug 2024 – Aug 2025**

- ▶ Engineered 15+ C# / .NET Core backend services processing 50K+ daily transactions across global shipping operations — Cosmos DB, SQL Server and Dataverse.
- ▶ Delivered a production RAG pipeline using Azure OpenAI GPT-4, Azure AI Search and Semantic Kernel — hybrid retrieval, custom chunking, embeddings, vectorisation, grounding and prompt engineering — automating 70% of document classification and reducing operator handling time by 45%.
- ▶ Designed Kafka-based event-driven microservices using Outbox and Saga patterns, reducing cross-team integration failures by 35%.
- ▶ Built Python data pipelines with Azure Data Factory and Databricks processing 2+ TB/month into the enterprise Data Lake; reduced mean incident response by 40% via App Insights, Grafana, Loki, KQL and OpenTelemetry.

Tech: C# / .NET 8, ASP.NET Core, Kafka, AKS, Azure Functions, Cosmos DB, Service Bus, Dataverse, Azure OpenAI, Azure AI Search, Semantic Kernel, Python, Azure Data Factory, Databricks, Terraform, App Insights, Grafana, Loki, KQL.

Tech Lead & Senior Full-Stack Engineer | Cloud Architect

Jabil · United States (Remote) | **Mar 2023 – Aug 2024**

- ▶ Led .NET Core microservices with RabbitMQ processing 30K+ events/day across 8 global manufacturing sites — hands-on with coding and technical reviews, working as the direct technical counterpart to the US client.
- ▶ Published HLD architecture documents and integration patterns adopted as standards by 6 engineering teams.
- ▶ Reduced P1/P2 incidents by 60% through observability; increased deployment frequency from biweekly to 3× per week with zero rollback incidents.

Tech: C# / .NET Core, RabbitMQ, Azure Service Bus, Azure Functions, Azure DevOps, App Insights, Grafana, Loki, KQL, Angular, TypeScript.

Senior Full-Stack & Cloud Engineer | AWS Serverless | DevOps

Siemens Energy · Germany (Remote) | **Mar 2022 – Feb 2023**

- ▶ Took ownership of a stalled Node.js project — ran stakeholder discovery, made the architecture decisions and delivered 3 weeks ahead of the revised timeline on AWS serverless (Lambda, SQS/SNS, DynamoDB, S3, EventBridge).
- ▶ Migrated legacy .NET Core services — reduced technical debt by 30% and improved p95 API response by 120 ms.
- ▶ Implemented IaC with Terraform and CloudFormation — environment provisioning from 2 days to 15 minutes; event-driven workflow throughput improved by 45%.

Senior Full-Stack Engineer & Cloud Architect | Fintech

Whitestar · Portugal (Hybrid) | **Dec 2020 – Feb 2022**

- ▶ Built .NET Core backend services with Cosmos DB and SQL Server supporting 20K+ daily transactions with 99.9% uptime; designed Azure Service Bus integrations and operational monitoring.
- ▶ Built React operational dashboards for real-time Service Bus monitoring — ops triage time down 55%; p95 API latency reduced by 200 ms through App Insights analysis and tuning.

EARLIER EXPERIENCE

- ▶ **Delaware BeLux** — Senior Front-End Engineer (Aug 2020 – Feb 2021): Enterprise Design System; React / Redux / TypeScript.
- ▶ **Unimed do Brasil** — Senior Backend & Solutions Architect (Aug 2019 – Aug 2020): healthcare; .NET Framework → .NET Core migration; Java / Spring Boot hybrid backend; Docker on Azure.
- ▶ **Techedge / CNH Industrial** — Senior Full-Stack & Tech Lead (Oct 2018 – Aug 2019): Angular + Ionic hybrid-mobile and PWA; ASP.NET MVC / Web API; DDD with EF and Dapper.
- ▶ **Iron Mountain** — Senior .NET Developer (Feb 2018 – Oct 2018): enterprise .NET Framework / VB.NET applications; Oracle PL/SQL and SQL Server.
- ▶ **IBM** — Senior Backend & SOA Architect / Tech Lead (Jan 2014 – Sep 2017): WCF/SOA for FastShop e-commerce sustaining 10× Black Friday traffic; reduced Fiat API response time by 60%.
- ▶ **Earlier career (2003–2014):** Fast Channel / FastShop e-commerce platform, CI&T / Bayer (pharma), Makesys, Iharabras, Infox, Cervejaria Petrópolis, Splice, Teabase.