Coordonnées

yannis.tocreau@gmail.com

www.linkedin.com/in/yannis-tocreau (LinkedIn)
yannis.blog (Blog)
github.com/gogetenk (Portfolio)
publishy.ai (Company)

Principales compétences

Model context protocol
IA générative
RAG

Languages

French (Native or Bilingual)
English (Native or Bilingual)
Spanish

Yannis Tocreau

.NET Senior Developer / Architect | AI, LLM/RAG, Microservices, Cloud
Montpellier, Occitanie, France

Résumé

I'm a freelance builder. Fullstack .NET Senior Developer / Architect with 12 + years designing and shipping distributed systems across energy, health-tech, agritech... I stay hands-on while shaping the big picture: modular monoliths, event-driven microservices, Azure cloud, CQRS, MassTransit, MongoDB, Kubernetes. I'm also familiar with front end frameworks like React with Next.js.

My current focus is applied AI — integrating LLM & RAG features, automating workflows, and designing scalable, secure AI systems with governance and observability built-in (IAM, logging, traceability).

Based in France (UTC +1), available for remote engagements across Europe and beyond.

Let's talk if you need someone to unblock your roadmap, build fast, and help your team deliver with confidence.

https://yannis.blog

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Expérience

Edenred

.NET Lead Software Engineer
novembre 2022 - Present (2 ans 9 mois)

- Designed and maintained high-throughput pipelines processing millions of real-time notifications per day via Azure EventHub and MongoDB
- Developed a centralized identity provider (IDP) microservice for authentication and token introspection, used by 40+ microservices in production
- Led architecture and evolution of the shared .NET SDK (MassTransit, MongoDB, Azure, CQRS) powering all backend services

- Migrated observability stack to OpenTelemetry (logs, traces, metrics) with full Datadog integration
- Built internal Roslyn-based code analyzers for automatic enforcoment of best practices
- Conducted PR reviews across ~100 developers and enforced architectural standards across teams

Delivered internal workshops on applied AI:

- Model Context Protocol (MCP) for orchestrating structured LLM workflows
- AI-assisted development: test generation, smart debugging, CI pipeline automation

Ran technical deep-dives on:

- Modular monolith architecture and progressive decomposition strategies
- Distributed test strategies: contract testing, trace-based debugging, test data isolation
- Secure, compliant and observable architecture for enterprise-scale systems

Elia
.NET Software Architect
novembre 2020 - novembre 2022 (2 ans 1 mois)
Bruxelles, Région de Bruxelles-Capitale, Belgique

I'm the architect of a widely used software in the context of energy transfer in northern Europe.
This software mainly manages the purchase and sale of energy between France, Belgium, Germany, the Netherlands and Great Britain.

Since electricity is not something we can store, a lot of coordination is needed when a supplier asks for a specific amount of energy.
The role of this software is to give access to the different parties in order for them to buy/sell energy, as well as checking the actual output that was delivered.

When this software goes down, the actual price of the electricity goes up. So it is a critical system for many parties.

As an Architect, my goals are the followings:

- Improve the quality of code and testability over time by coaching the developers team.
- Find and resolve failing points of the system.
- Monitor and optimize performances if needed.
- Enforce coding and delivery best practices
- Challenge what has be done in the past, give proposals and implement them if needed.
- Trying to tear down a huge and old monolith into microservices.
- Automate as much things as possible, from the building process to the deployment to many different environments.

Actually working in remote, in a fully english speaking context.
I'm also working on other smaller projects (xamarin forms app with geofencing capabilities and a new microservice with event based communication).

Tech :
- .NET 5
- .NET Framework 4.6
- Blazor
- .NET MAUI
- NServiceBus
- RabbitMQ + Shovel plugin
- SignalR
- Xamarin.Forms 5 (iOS app development)
- Azure DevOps + Azure CI / CD pipelines
- SQL Server
- MongoDB
- REST APIs
- Yarp reverse proxy
- DDD
- xUnit (for the unit tests and integration tests)
- WPF + Prism (.net framework)
- Implemented an ETL (Talend)

SOGETREL
.NET Software Architect / Tech Lead
mai 2018 - novembre 2020 (2 ans 7 mois)
Région de Montpellier, France

I'm coaching teams of 2 to 8 developers (c#, php, angular) as a Lead Developer and Architect (50/50).

I created a complete microservices architecture from scratch, build a dev team from the ground up, enforced the best practices and reviewed the code.

Tech :
- Angular
- .NET Core 3.1
- Docker
- Microservices architecture
- Mongo DB
- REST Web APIs
- Azure (Azure Functions, API Management, App Service, App Insight)
- Stack Elastic (Elasticsearch + Kibana)
- Docker
- Azure CI & CD
- Automated Tests : Unit tests, Integration Tests, System Tests, UI Tests & smoke tests
- Git Flow
- Azure DevOps
- Agile Scrum
- Sonar Cloud
- Gherkin specifications (Cucumber / Specflow)
- Xamarin.Forms + PRISM (C# / XAML)
- Mobile DevOps using App Center
- Azure Gateway

Dev Lead :
- Coached 4 teams from 2 to 8 developers
- PR code reviews
- Provided C# and PHP coding best practices
- Clean architecture and clean code

Architect :
- R&D
- Studied subjects such as : resilience, caching, strategies, CQRS pattern, DDD, TDD...
- Wrote enterprise level Technical Architecture Documents
- Challenged existing architectures, and built new ones from scratch.
- Implemented an ETL (Talend)

SMAG

1 an 3 mois

.NET Software Architect
novembre 2017 - avril 2018 (6 mois)
Région de Montpellier, France

* Switched to junior architect *

.NET Software Engineer
février 2017 - novembre 2017 (10 mois)
Région de Montpellier, France

Working as a freelance on 'Smart agriculture' product softwares.

--- REST APIs DEVELOPMENT & MANAGEMENT
- API Managers market study (Azure, WSO2, Tyk, Kong, RedHat 3scale...)
- Micro services architecture and infrastucture creation & setup (scalable, replicable) on Azure & Cloudstack Ikoula
- nHibernate ORM
- Worked with a WSO2 Consultant team from Sri Lanka to build a micro services PoC about their API Manager (working fluently in english)
- ASP.NET WebApi2 REST APIs development
- Json Web Token authentication through OAuth 2.0
- Swagger UI / Swagger CodeGen / Swagger definitions
- .NET software architecture study and creation
- Continuous delivery using JENKINS
- Technical specifications writing
- Javascript / JQuery front for PoCs UIs
- SQL Server
- SSIS

--- BIG DATA DEVELOPMENT
- Lambda Architecture
- Web HDFS (Hadoop)
- Elasticsearch (Kibana)
- Multithreaded C# API development

10 people team working using Agile Kanban.

DDS Logistics - Editeur de logiciels TMS (Transport Management System) & Global Sourcing
.NET Software Engineer
novembre 2016 - janvier 2017 (3 mois)
Boulogne

Working as a freelance on the Join2Ship project. An ASP.NET MVC5 website using Kendo UI and a mobile app using Xamarin Forms.

- ASP.NET MVC
- Unity IOC Container
- Entity framework
- SQL Server & proc stock
- JS
- AJAX
- Telerik Kendo UI MVC
- Agile SCRUM
- Xamarin.Forms

Microsoft
.NET Software Engineer
décembre 2015 - novembre 2016 (1 an)
AXA Nanterre

Working as a freelance .NET developer working on the AXA COLOR Project, within the Microsoft Consulting Services team.

- Project integration
- XSLT Transformation
- ASP .NET MVC (Back end)
- Batch creation (Powershell + cmd-let)
- WCF services
- Windows Orchestrator
- TFS

Zags
.NET Developer
avril 2015 - septembre 2015 (6 mois)
Région de Paris, France

- ASP.NET MVC 4
- Entity framework
- WCF web services

- OAuth 2.0 protocol
- Unity container IoC

Infinite Square
.NET Developer
juin 2014 - novembre 2014 (6 mois)
Région de Paris, France

Windows 8.1 Universal Apps & Unity 3D development

Participated in the development process of the game "Hi Light : Can you touch de light".

Twin View
Développeur .NET
novembre 2012 - juillet 2014 (1 an 9 mois)

- Unity3D
- Silverlight App development (out of browser)
- WPF
- Entity framework & SQL Server
- WCF services
- ASP (webforms) development

Direction générale des douanes et droits indirects (DGDDI)
Developpeur Web
septembre 2011 - novembre 2012 (1 an 3 mois)

Développeur Web HTML/CSS + PHP, Designer Web, intégrateur, webmaster,

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Formation

SUPINFO International University
Diplôme d'ingénieur, Informatique · (2010 - 2015)

Lycée Léonard De vinci
Baccalauréat STI, Génie Electrotechnique · (2008 - 2010)