

Romain Berthon

FULL STACK DEVELOPER · SOFTWARE ARCHITECT · COACH CRAFT

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Experienced developer, Agile and Crafts cultures.
An profile to improve the **quality** and the **robustness** of your softwares.

Full Stack Developer

API: ASP.Net
Desktop app: WPF — UWP
Web: React — KnockoutJS

Backend expertise

Hexagonal/Clean Architecture
CQRS/ES — Event-driven
Modular monolith — Microservices

Craft coaching

TDD — BDD — DDD
Event Storming — Example Mapping
Continuous deployment

Skills

Languages & paradigms

F# C# TypeScript JavaScript Elixir Functional programming
Object-oriented programming

Frameworks

.Net ASP.Net WPF UWP React KnockoutJS Xamarin

Databases & ORMs

PostgreSQL SQL Server Dapper Entity framework

Architectures & Patterns

Hexagonal/Clean Architecture CQRS/ES Event-driven Multi-tenant
Modular monolith Microservices Elm Architecture (TEA)
Model-View-ViewModel (MVVM)

Methods & Practices

Test-Driven Development Type-Driven Development Domain-Driven Design
Behavior-Driven Development Property-Based Testing Pair/Mob programming
Continuous integration Continuous deployment Zero-downtime migrations
Trunk Based Development Feature Toggling Event Storming Event Modeling
Example Mapping Living documentation

Software Factories

GitLab Azure Devops

Other

Claude Code Docker Azure Git

Languages

🇫🇷 French

Native

🇬🇧 English

Fluent

Experiences

Superindep  4/5th Full remote

Full remote

FULL STACK DEVELOPER

October 2022 — October 2026

Superindep is a startup offering micro-entrepreneurs a SaaS service to automate their declarations and handle their administrative procedures with the help of experts. Member of a 3-person IT team responsible for development, monitoring, and maintenance of production.

- Development, maintenance and evolution of the customer portal and the internal portal used by CSMS.
- Automatic audit portal for the administrative health of micro-enterprises.
- Automated micro-enterprise creation portal, reverse-engineering the INPT's APIs.
- Integration of APIs for bank synchronization.
- Forked an open-source invoicing tool to provide a service compatible with electronic invoicing.
- Participation in workshops defining new features (business and technical design).
- Managing developments in a continuous delivery process (automation, trunk-based development, feature toggling, zero-downtime migrations, etc.).

⇒ IT fully integrated into marketing strategies and into the value proposition made to clients.

F# TypeScript JavaScript .Net ASP.Net React KnockoutJS PostgreSQL Docker Hexagonal Architecture CQRS/ES
Modular monolith Multi-tenant Elm Architecture (TEA) Continuous deployment Zero-downtime migrations Claude Code

  Agicap  4/5th Full remote Freelance

Full remote

.NET BACKEND DEVELOPER

January 2022 — July 2022

Agicap is a scale-up offering small and medium businesses a suite of SaaS services for cash flow management and monitoring. Recruited as a backend developer in the context of launching a new product requiring rapid development while maintaining high quality standards. This experience was the subject of a dedicated [blog post](#).

- Participation in the technical solution design with business and operational considerations (traceability, replays, live-documentation, UX/UI, etc.).
- Introduction of "example mapping" workshops within the team.
- Feature development using pair & mob-programming.
- Participation in setting up continuous delivery processes (automation, trunk-based development, feature toggling, zero-downtime migrations, etc.).
- Collaboration with other teams involved in the business workflow.

⇒ First version in production after two months, with daily iterations.

C# .Net ASP.Net PostgreSQL Hexagonal Architecture CQRS Event-driven Multi-tenant Microservices Docker
Continuous deployment Zero-downtime migrations Example Mapping

Comptoir National de l'Or (CNDO)  4/5th Full remote Freelance

Full remote

.NET FULL STACK DEVELOPER

March 2020 — December 2021

CNDO is an SME specialized in buying and selling precious metals to individuals through agencies across France. Recruited within a 3-person IT team to strengthen expertise around the CQRS/ES pattern and improve the technical quality of deliverables.

- Development of new features and monitoring of production bugs & incidents.
- Guidance on implementing Test-Driven Development and Type-Driven Development strategies.
- Active participation in the design, modeling, and documentation of business workflows.

⇒ Reduced production incidents and accelerated development.

C# F# .Net ASP.Net SQL Server UWP Hexagonal Architecture CQRS/ES Event Modeling

Ocea Smart Building (OSB) [↗](#)

4/5th

Freelance

Lyon, France

.NET BACKEND DEVELOPER

February 2017 — December 2019

OSB is an SME specialized in consumption metering (water and heating) and the associated cost allocation in condominiums. Assignment as part of the development of their new information system, recruited as a backend developer with software craftsmanship skills.

- Design and development of energy consumption calculation and cost allocation software.
 - Implementation of living documentation.
 - Introduced Property-Based Testing and the functional paradigm to the team.
- Development of the software responsible for monitoring water and heating meters.
 - Implementation of a CQRS/ES architecture.
 - Living documentation (functional and technical).
 - Automation tools (ARM scripts, dedicated programs).
- Integration of these projects into a microservices ecosystem deployed on Azure.

C# .Net ASP.Net SQL Server Hexagonal Architecture CQRS/ES Microservices Azure

Enedis — Linky

Lyon, France

.NET DEVELOPER

March 2015 — January 2017

Enedis is the company responsible for the electricity distribution network, assignment as part of the large-scale rollout of the Linky smart meters. Reinforcement of the "mobility" team responsible for an expert application for on-site network diagnostics and libraries for interfacing with the meters.

- Evolutionary maintenance of APIs for the installation and maintenance of Linky meters.
 - Refactoring and implementation of automated testing to address reliability concerns.
 - Porting APIs to Android (Xamarin).
 - Introduction of Mob Programming to the team.
 - Development of tools for the automation and industrialization of Linky meter testing.
- Development of a WPF application for expert maintenance of the Linky information system (PLC analysis, picoscope, etc.)

C# .Net .Net 3.5CF WPF Xamarin

SALM

Lyon, France

.NET DEVELOPER

February 2015

SALM is a manufacturer of kit kitchen furniture (Schmidt and Cuisinella brands). Assignment during the setup of new production lines in China.

- Development of WPF & Windows Mobile 6.5 applications for inventory management and logistics.
- Multilingual applications for the Chinese warehouses.

C# .Net .Net 3.5CF WPF

LCL — Mes comptes

Lyon, France

WINDOWS PHONE DEVELOPER

September 2014 — January 2015

LCL is a French bank that wanted to provide its customers with an application on the Windows Store.

- Response to the call for tenders.
- Development of the Windows Phone 8 application "Mes comptes".

C# .Net Silverlight Windows Phone 8

Projects

SyncBackup

 RomainTrm/Tool-SyncBackup

DEVELOPER

May 2024 — Present

Personal command-line tool used to synchronize and replicate my backups across my various storage media (hard drives, cloud).

F#

Conferences and communities

Regular participation in many conferences and unconferences in France and abroad since 2017.

2024 — 2025	CQRS/ES : Nos heuristiques après plusieurs années de production 	Talk (45min)
2023 — 2024	L'AGC : Retour sur l'ordinateur qui a amené l'humanité sur la Lune 	Talk (45min)
2022 — 2023	Railway Programming : La voie vers un code plus honnête 	Talk (45min)
2022	Théorie des catégories : vous la connaissez déjà 	Deep-dive (3h)
2016 — 2022	Software Crafters Lyon 	Co-organizer

Trainings

September 2019	CQRS/ES and Event Modeling	Greg Young & Adam Dymitruk
May 2019	Mob Programming and Refactoring	Woody Zuill
November 2017	CQRS/Event-Sourcing	Clément Bouillier, Emilien Pecoul & Florent Pellet
May 2017	Functional programming discovery with F#	Clément Bouillier, Emilien Pecoul & Florent Pellet

Education

2009 — 2014	SUPINFO Lyon	Master 2 in Computer Science
2009	Scientific baccalaureate	Engineering sciences option