

# Resume – Fabien Molinet

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Software development is a passion, I love learning beyond .NET, what's out there in other languages or paradigms. There is always something to learn from others, I value different opinions.

I am currently living in Leymen, France extremely close to Germany and Switzerland.

- Last degree: Bachelor of Computer Science, University Robert Schuman, France
- English: fluent, French: mother tongue, German: conversational



Fabien Molinet

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## UBS – Team leader / Senior software engineer

since June 2018 in Basel, Switzerland

Leads RPA software development team (Robotics Process Automation) since November 2020. Platform runs thousands of robots, made it cloud native on Azure, robust, scalable, while providing new key features to our stakeholders. From June 2018 to October 2020 I solved a similar challenge with the portfolio remediation software (central piece of UBS Partner).

Changed delivery mindset: waterfall to agile where deliveries are continuously tested by business  
Monolith to a distributed architecture designed for scale (Kubernetes & containers, message queues, distributed telemetry)  
Strong push on quality: decoupled code, introduced code reviews, testing & automation (CI/CD), code scans  
Push on UI/UX, from a classic request per page, to a SPA using React/AntD  
Automatic API discovery/deployment with OpenApi, automation, and Azure APIM

Technologies: .NET6, ASP.NET Core 6, EF.Core 6, PowerShell7, Terraform, shell scripts, AutomationAnywhere 11 and 360, Citrix cloud...  
Azure resources: AKS, APIM, ServiceBus, Automation account, Application Insights/Monitor, SQL Managed instance, CosmosDB ...

## GE Healthcare - Senior software engineer

July 2016 – May 2018 in Freiburg, Germany

- Designed & developed core components of Centricity Cardio Workflow (CCW) to simplify physicians' work (.NET, WPF, WCF, EF)
- Refactored the whole unit test suite to move away from MSTest v1 and Fakes. It resulted in faster builds and a simplified development experience. To ease the move, some tools were developed using Roslyn (meta programming) and VS extensions
- Kept proposing alternative ideas, out of which many got implemented like a global search or a formula engine
- Trained team members to latest features, and pushed to move on newer stacks
- Won hackaton project using React/Redux, SignalR, .NET Core, ASP.NET Core, Dapper

## Hager - Team leader / Architect

April 2011 – June 2016 in Obernai, France

Designed mobile solutions for Hager Group. Mobile apps used Xamarin to target both iOS/Android (.NET, MVVM, SQLite). Backends were created to offer tailored APIs that provided data from SAP, CRMs, Exchange, Sharepoint, and other internal systems. One particular challenge was to offer the whole product catalog off-line, when it is different in each country, while minimizing app's size and keeping fast interactions (global search, document downloads, ...)

- Coordinated and managed on-site and offshore resources using SCRUM methodology
- Industrialized app development and deployment (AirWatch MDM, CI, Unit tests, UI tests, F# with FAKE)
- Integrated CRM solution with SAP: multiple data exchanges using RFCs and IDocs (SAP .NET connector, multi-threading, caching)
- Geographical data reporting to improve Hager commercial presence in many countries and suggest optimized business tours to sales reps: tour preparation is now 10 times faster (Google Maps API, Javascript, T-SQL spatial functions, KnockoutJS)
- Designed the group's CRM website available on smartphones, PC and tablets (ASP.NET MVC4, Entity Framework 5, jQuery 2)

## FIS - Senior software engineer

June 2010 – April 2011 in Christchurch, New Zealand

- Proposed many ideas to improve Ambit Asset Finance that were implemented in the product (C#, Winform, T-SQL, PL-SQL)
- Reworked core parts to rely on generics, interfaces and co-variance (C#) and performed many performance optimizations
- UI improvements, like automatic exception handling from business logic to UI using lambda expressions, reflection and controls

## T&S – Software consultancy

August 2008 – May 2010, France

Worked for the following customers: Credit Mutuel Group, Hager Group, De Dietrich, Clestra, Capsugel and Knauf.

At Capsugel wrote code to interact with factory devices: scales, spectrograph, ...

Different software development tasks: CTI/Telephony applications, CRM applications, interacted with factory ERP (Protean), OCR documents, designed reports/dashboards and performance improvements.

Other duties: project manager (5-person team), .NET/OOP trainer, deliverable & test executions.

Technologies: C#, COM Interop, VSTO, ASP.NET, Web services, Javascript, multi-threading, PL/SQL, T-SQL, Reporting, serial link/NPort

## Bull – Analyst/Integrator for the Council of Europe (CoE)

August 2007 – August 2008 in Strasbourg, France

Developed multiple Web applications (C#, ASP.NET, Javascript, T-SQL) and audited code on behalf of CoE.

Integration of .NET, Java & Cocoon apps on multiple systems (Windows, Linux, MSBuild, Ant, Maven)

Reproduced CoE environment on VMs (Active directory, mail server, services, ...) for testing (batch, T-SQL)

## Perinfo – Software engineer

September 2005 – July 2007 in Strasbourg, France

Evolved the software to a 3/3 architecture. Developed web applications (ASP.NET/C# and Web services): CRM module, web terminal for drivers, online ordering and mission booking by end-customers. PDF/CSV generated on the fly using XSL/FO (J2EE servlet), worked on performance improvements.

## Hobbies

I travel as much as possible, I believe that visiting other countries, and being outside of comfort zone opens your mind. I also enjoy hiking & camping in wild places, rollerblading and biking.

## Open source

Some of my contributions are on GitHub:

- [ConfigurationSubstitutor](#): allows configuration substitution for .NET similar to what Azure DevOps offers with \$( )
- [MongoDB.Thin](#): thin wrapper on top of MongoDB driver that simplifies data access
- [FFImageLoading](#): no longer alive - popular Xamarin library to load images quickly & easily (~ 1400 stars on GitHub/350 forks)
- [KickMsTest](#) & [Sig2Mog](#): Roslyn based tools to remove MSTest Stubs in favor of Moq (mocking framework)
- [ManageSleep](#): manage device sleep for all platforms targeted by Xamarin
- [OnlineBoardz](#): no longer alive - online board game solution