# Nicolas HUAU

## Senior Software Developer

Architect · Developer

Consultant

in · LinkedIn

Enthusiastic software engineer, passionate architect and Microsoft Certified Professional. More than ten years of experience as a software consultant for leading multinational tech companies. Expert in the crafting of customized and disruptive solutions for a wide range of clients. Strong proponent of cloud technologies and agile methodologies. Innovative, driven and detail oriented. Fluent in both English and French.

📍 Montreal Canada (Québec)

✉ nicolas.huau@gmail.com

# 💼 EXPERIENCES

## Full Stack Developer for Schneider Electric

**Nimbus Expertise - Since February 2022 - Consultant - Montreal - Canada - Québec**

- Design and implementation of new backend components in a micro services event-driven cloud architecture.
- Design and implementation of web-based gadgets displaying energy consumption normalized by degree days.
- Design of the system architecture supporting the degree days normalization feature.
- Design and implementation of Azure DevOps pipelines including integration tests and conditional deployments.
- Project managed using the SAFe Agile methodology, with a multicultural team based across three continents.
- Technologies: Microsoft Azure, .NET 7, GraphQL, Angular 14, Nx, Html5, CSS4, Docker, Kubernetes, Git, Azure DevOps

## Team Leader / Full Stack Developer for Schneider Electric

**Astek - November 2018 to February 2022 - Consultant - Montreal - Canada - Québec**

- Integration of a connected room controller to an existing cloud solution for the retail market.
- Team leader responsible for engineering optimal solutions, providing high quality results, and fulfilling commitments.
- Design and implementation of the cloud-based solution for monitoring and controlling connected equipments from a mobile application.
- Participation in the design of the system architecture and system contracts, and writing of the system specifications.
- Integration of the new components into the docker stack and the CI / CD pipeline.
- Project managed using the SAFe Agile methodology, with a multicultural team based across three continents.
- Technologies: Microsoft Azure, .NET 4.5, .NET Core, Asp.Net WebAPI, Swagger, SQL, Angular 11, Ionic 4, Html5, CSS4, Docker, Jenkins, Git, Azure DevOps

## .NET Software Architect for VINCI Autoroutes

**Sogeti - November 2015 to October 2018 - Consultant - Avignon - France**

- Implementation of the new digital strategy (cloud, mobile, API, partners, etc.)
- Design and implementation of OpenID Connect authentication providers for "B2B", "B2C", and internal applications
- Design and implementation of "B2B" and "B2C" REST APIs
- Design and implementation of multiple architectural elements aiming to consolidate the new ecosystem (hubs, services, libraries, etc.).
- Writing technical specifications, operational documentations and user documentations
- Technologies: Microsoft Azure, .NET 4.5, Asp.NET (WebAPI et MVC), SignalR, Orchard CMS, Identity Server, Hangfire, Autofac, Swagger, Dapper, Entity Framework, Redis, Oracle, Jenkins, Git, Jira, Trello

## .NET Senior Technology Consultant for CFCAL

**Sogeti - June 2013 to September 2015 - Consultant - Strasbourg - France**

- Dematerialization of business processes, addition of new features to existing applications and improvement to existing software architecture, creation of new applications
- Technologies: .NET 4.0 & 4.5, ASP.NET (MVC5 & WebForms), WCF, WPF, WinForms, SQL Server, TFS, NuGet, Windows CE

## .NET Software Consultant for SALM

**Sogeti - December 2012 to August 2013 - Consultant - Strasbourg - France**

- Design and implementation of an intranet portal for the Purchasing Department.
- Technologies: SharePoint 2010, Silverlight 5, ASP.NET, Javascript

## Scrum Master, .NET Software Developer

**Sogeti - August 2012 to December 2012 - Full-time - Strasbourg - France**

- Creation of a collaborative application for agile project management
- Technologies: ASP MVC 4, Entity Framework, WPF, Microsoft Kinect SDK, WinRT, Windows Phone, C#, Xaml, .NET 4.5, SignalR, Azure

## .NET Software Developer for Renault-Nissan

**Sogeti - May 2012 to August 2012 - Consultant - Paris - France**

- Design and implementation of a web portal for the management of sourcing for the Purchasing Department
- Technologies: Silverlight, .NET 4.0, Infragistic, SignalR, Entity Framework, MySql, Async CTP

## Scrum Master, .NET Software Developer

**Sogeti - January 2012 to May 2012 - Full-time - Strasbourg - France**

- Design and implementation of an application monitoring patients during physical therapy
- Technologies: .NET 4.0, WPF, Microsoft Kinect SDK, XNA

## .NET Software Engineering Consultant

**Sogeti - June 2011 to September 2011 - Internship - Strasbourg - France**

- Design and development of professional applications incorporating Natural User Interfaces
- Technologies: .NET 4.0, WPF, Kinect SDK, Prism, MEF, Entity Framework

# 📋 SKILLS

## Technical skills

- Architecture: OOP, Design patterns, Architectural patterns (MVVM, MVC, MVP, SOA)
- APIs: REST (Web API, Swagger), SOAP (WCF, WSDL), GraphQL
- Web applications: ASP.Net, Angular, Ionic, Bootstrap, HTML5, CSS3/4, Typescript, Javascript
- Desktop applications: WPF, WinForms
- Database System: SQL Server, MySQL, Azure SQL, DocumentDB, Redis, Oracle

## Soft skills

- Consulting: Needs analysis, proposal of solutions, change management
- Documentation: Writing of system and product specifications, operational documentation and user documentation

## Languages

- French: Native
- English: Full professional proficiency

# EDUCATION

## Master's degree in Computer Science
**UFR François Rabelais (Tours)**
September 2010 to September 2011

## Master's degree in Physics and Imaging, Specialty: Medical Imaging Technologies
**Université François Rabelais (Tours)**
September 2007 to July 2009

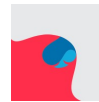## Bachelor's degree in Physics
**Université François Rabelais (Tours)**
September 2004 to June 2007

# CERTIFICATIONS

**Certified SAFe® 5 Practitioner**
January 2022

**Integrated Architecture Framework Level 1**
April 2017

**MS: Programming in HTML5 with JavaScript and CSS3 Specialist**
August 2014

**MCSD: Windows Store Apps Using C#**
November 2013

**MS: Programming in C# Specialist**
May 2013

**MCTS: SharePoint 2010, Application Development**
December 2011