**TechDayConf Edition 1**

**Sessions in French**

**10h – 10h20: Denis Voituron - Evitez Entity Framework. Faites du Mappage Relationnel Objets**

**10h20 – 10h40: Charles-Henri Sauget -** **Data Lake Architecture dans 15 Min**

**10h40 – 10h55: Anouar Ben Zahra - Cognitive Services dans 15 minutes**

**11h00 – 11h20: Cédric Derue - Utiliser Azure Functions pour votre stratégie cloud hybride ou multi-cloud**

**Sessions in English**

**11h20 – 11h40: Alibek Jakupov - Knowledge Extraction from Unstructured Data using Azure ML services and Power BI**

**11h40- 12h15: Bruno Capuano - Getting Started with Machine Learning.Net and Windows Machine Learning**

**12h15- 12h40: Khaled Tounsi - Feature management with Azure App Configuration**

**12h40 – 13h05: Damien Delaire - Building one UWP app for Xbox and Windows XAML/C#, 20 minutes chrono to build Dailymotion (light)!**

**13h05 – 13h20: Hamida REBAI - Build and deploy .NET Core application in Azure**

**Details:**

**Speaker: Denis Voituron**

**Location:** Belgium

**Profile:**

Oniryx - Senior .NET Tech Lead

Programmer, Speaker, Teacher & Podcaster

For more than 20 years, I have been sharing my passion as a developer through sessions, training or podcasts. Since 2008, I have been the main NET architect for the projects I coordinate for my clients. My work consists in designing IT applications and technically and methodologically monitoring the developers. All our projects are based on Agile SCRUM methodologies. I am SCRUM Master and Microsoft MVP certified.

For several months, I have been the founder and co-facilitator of the podcast DevApps.be dedicated to news, developments and architectures of.NET technologies.

**Session**: Evitez Entity Framework. Faites du Mappage Relationnel Objets

**Description**:

Plusieurs outils existent dont Entity Framework, le plus fréquemment proposés, ou ADO.NET, le plus performant mais le plus complexe à exploiter. Depuis plusieurs années, nous avons construit un ensemble d’outils simples afin de nous aider dans la fabrication de nos services, et plus particulièrement dans la recherche de données en les transformant facilement en objets .NET.

Lors de cette session, nous expliquerons l’historique de ce toolkit en le comparant à quelques outils existants sur le marché, dont ADO.NET, Entity Framework ou Dapper.NET.

Ensuite, via des démos Live, je présenterai les fonctionnalités principales de SqlDatabaseCommand pour réaliser et optimiser les opérations courantes d’accès aux bases de données : récupérations de données typées, gestion des transactions, intégration de traces, gestion des exceptions, génération automatique de classe et l’injection de données pour les tests unitaires.

SqlDatabaseCommand est un projet open source disponible sur GitHub et utilisable via Nuget.

**Speaker**: **Charles-Henri Sauget**

**Location: France**

**Profile:**

Consultant Data Platform - MVP chez INSIDERS.COOP

Consultant décisionnel depuis 2009, j'ai eu l'occasion d'explorer certaines des fonctionnalités offertes par SQL Server, et cela est loin d'être terminé avec la croissance des volumes de données, et les nouveaux outils à disposition (Data Insights), de nouveaux défis vont très certainement s'offrir à nous. Même si la B.I. reste mon coeur de métier, je ne cache pas mon intérêt pour le Moteur SQL Server, surtout si l'on rajoute à ceci l'impact d'un hébergement en IaaS dans Azure ! Au plaisir de discuter avec vous.

Spécialités : Data Analyst:  
Maitrise des outils:  
-Sql Server Integration Services.  
-Sql Server Analyses Services.  
-Bases de données et Data WareHouses.

**Session**: Data Lake Architecture in 15 Min

**Description:**

This last years, new architecture became possible. Modern Data Warehouse, Data Lakes, and sometimes trying to mixe warehouse and lake. Let’s try to explain the differences, advantages and technologie behind all of this marketing concepts.

**Speaker: Anouar Ben Zahra**

**Location: France**

**Profile:**

MVP Artificial Intelligence, Software Engineer, Author, Speaker

Anouar passionate with codes since the age of 16, Anouar is today a Microsoft MVP (Most Valuable Professional) on Artificial Intelligence, has extensive experience working with most of Microsoft Data Analytics tools and cognitive services. A regular speaker at industry conferences and local user group meetings mainly talking about Machine Learning and Microsoft offerings for ML.

**Session**: **Cognitive Services dans 15 minutes**

**Description:**

He will present in 15 minutes many use cases to use Cognitive Services.

Detect faces and image description Using azure cognitive services.

**Speaker: Denis Voituron**

**Location:** Belgium

**Profile:**

Oniryx - Senior .NET Tech Lead

Programmer, Speaker, Teacher & Podcaster

For more than 20 years, I have been sharing my passion as a developer through sessions, training or podcasts. Since 2008, I have been the main NET architect for the projects I coordinate for my clients. My work consists in designing IT applications and technically and methodologically monitoring the developers. All our projects are based on Agile SCRUM methodologies. I am SCRUM Master and Microsoft MVP certified.

For several months, I have been the founder and co-facilitator of the podcast DevApps.be dedicated to news, developments and architectures of.NET technologies.

**Session: Visual Studio 2019 – Codez comme un ninja**

**Description**:

Visual Studio vient de fêter ses 18 ans d’existence. Cet éditeur a accumulé un ensemble de fonctionnalités impressionnantes. Lors de cette session, vous apprendrez comment mieux l’utiliser : Intellisense, raccourcis clavier, organisation des fenêtres, refactorisation du code, trucs et astuces du debuggage, …

**Speaker: Cédric Derue**

**Location: France**

**Profile :**

Je suis architecte cloud, programmeur, formateur, conférencier et auteur publié. Depuis 2006, je travaille en tant que consultant professionnel pour Altran Technologies. Expert en technologies cloud et particulièrement le cloud Microsoft Azure, je conseille souvent dans les secteurs bancaire, pharmaceutique, de l'énergie et de l'industrie.

Je collabore régulièrement avec Microsoft à travers la plateforme LinkedIn Learning et mes contributions en qualité de Microsoft MVP.

**Session: Utiliser Azure Functions pour votre stratégie cloud hybride ou multi-cloud**

**Description:**

De plus en plus d'entreprises se penchent aujourd'hui sur une stratégie cloud hybride ou multi-cloud pour déployer leurs applications et leurs données dans différents cloud.

D'un autre côté, avec l'avènement de Kubernetes et du Serverless, ces mêmes entreprises ont déjà considérablement investi dans ces nouvelles technologies pour créer des applications cloud-natives.

L'objectif de cette session est de montrer comment Kubernetes, KEDA (Kubernetes-based Event-Driven Autoscaling) et Azure Functions peuvent être utilisés dans Azure et au-delà pour déployer des applications dans n'importe quel cloud.

**Speaker: Alibek Jakupov**

**Location: France**

**Profile:**

After having finished the IITU International Information Technologies University in Kazakhstan, I won the French Government Scholarship in 2016 and started my studies at the EISTI Graduate School in Computer Science and Mathematics Engineering in France. In 2017 I joined Expertime as a software engineer intern. The work implemented during this internship has provided the foundation to the brand-new project called What Do They Think.

I am a regular contributor to stackoverflow and my personal blog where I share my expertience of performing data science on Azure.

**Session: Knowledge Extraction from Unstructured Data using Azure ML services and Power BI**

**Description:**

Decision support tools have emerged as key technologies in data analysis enabling companies to make personalized offers to their customers with the help of data processing and data visualization tools. Embedded agents with conversational interface allow expressing queries in natural language in order to accelerate the report navigation. However, the coverage, complexity and scale of such agents are much larger than simple query understanding. Moreover, most of them are often restricted to specific domain and explicit rules. In this talk, we present an approach which uses topic modeling and anomaly detection to point out the information that may be of particular interest to a domain expert. The strength of our approach is that it shows both domain and common-sense knowledge and does not require the model to be re-trained for different experts. The proposed model can suggest decision options based on the analyzed data and user’s activity. In particular, we propose an unsupervised method for automatic topic labeling, and show how it might be helpful in decision making. We also implement a framework, called MacNabbs, and give some results of our approach.

**Speaker: Bruno Capuano**

**Location: Canada, Ontario**

**Profile:**

Creative thinker engaging innovation in Europe / Canada for the past 6-8 years - Emerging technology focus / e Nowadays Bruno is leading Innovation in Avanade Canada. He leads activities with clients to promote a culture of innovation, he also leads internal activities to engage Avanade Canada employees with emerging technologies and external activities to connect Avanade with external entities, like startups, technical communities, global events and more.

Bruno was recognized by Microsoft as Microsoft Most Valuable Professional 11 years in a row since 2008. xperience - 15+ years performing roles in innovation, development and management.

**Session:** Getting Started with Machine Learning.Net and Windows Machine Learning

**Description:**

Machine Learning has moved out of the lab and into production systems. Understanding how to work with this technology is one of the essential skills for developers today. In this session, you will learn the basics of machine learning, how to use existing models and services in your apps, and how to get started with creating your own simple models.

And if you are a .Net developer, we will cover the basis of Machine Learning.Net, a complete ML framework to work with C#, F# or any other .Net Core language.

***Notes and comments***

I've done this session several times in North America and via webcast for Latin America (in Spanish) and it's a great one for .Net programmers who want to start with Machine Learning using C# or F# and Microsoft Tools. Now Machine Learning.Net is finally in version 1.0 so it's even greater for developers!

**Speaker: Khaled Tounsi**

**Location: Canada, Quebec**

**Profile:**

Khaled is a Tech Lead in IA Groupe Financier Canda with over ten years of experience in software developement, Khaled is recognized as Azure Developer associate and Azure DevOps Engineer Expert and loves to share his knowledge.

**Session: Feature management with Azure App Configuration**

**Description:**

The session will be a demo how separate deployment and making new features available to clients by activating/deactivating features with Azure App Configuration.

***Notes and comments:***

The session will be a demo how separate deployment and making new features available to clients by activating/deactivating features with Azure App Configuration.

The session will include a small introduction to Dark Launch a live demo which will include creating an Azure app configuration resource in azure portal the how to add a new feature in a .NET core 3.1 web application and activate the new feature with Azure App Configuration

**Speaker: Damien Delaire**

**Location:** France

**Profile:**

Entrepreneur in spirit I also like working on my side projects during my spare time. I am a programmer, speaker, blogger and like to hiker.

Developed unofficial UWP apps (8 Soundcloud, 8 Kickstarter), MVP (Microsoft Most Valuable Professional) love to tinker with Xamarin, participating in international conferences, meetups as a speaker.

**Session:** **Building one UWP app for Xbox and Windows XAML/C#, 20 minutes chrono to build Dailymotion (light)!**

**Description:**

I will go over how we at Dailymotion built our UWP app to be compatible Xbox and Windows 10. How we designed the view to be compatible for both platforms, how to use the extra buttons that are on the xbox controller and how certain views are only accessible on Windows or Xbox.

Next, I will try to build an application that can be used on Xbox and Windows 10. In this application we will have:

• REST call to Dailymotion api

• List of videos on home screen

• MVVM

• Video page will load a webview that depending on if we are on Xbox or Desktop will load differently using DeviceFamily

• Navigation on Xbox

• Quickly show how to play with the Dailymotion Player SDK

This talk sessions will talk about UWP, XAML, C#, WebView on Windows 10 and Xbox. This talk is intended for anyone that is curious to see how Dailymotion created one application that works on 2 platforms.

**Speaker: Hamida REBAI**

**Location: Canada, Quebec**

**Profile:**

Software architect with an experience more than 10 years, awarded by Microsoft as Most Valuable Professional in Developer Technologies from 2107, author, speaker, contributing code to projects and a member in dotnetfoundation, she led many projects to drive change through technological innovations that create business opportunities, she shapes and translates business and IT strategies. mentor and coach’s future leaders, share knowledge and animate sessions and webinars, finalist at Women in IT Award**.**

**Session: Build and deploy .NET Core application in Azure**

**Description:**

In the session, she will discuss about the services included in Azure to deploy a web application using .NET Core, and the use of Containers and orchestrators. She will discuss about new architectural design and implementation approaches like using Microservices instead of Monolith. She will answer these questions: Should you be using microservices always? How are microservices related to containers and orchestrators?