Key Technologies in Computer Science and Industry 4.0

High performance coding in .NET

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When: Thursday, March 1, 2018, 8:00 to 11:00 am
Where: Festsaal at the HTL Leonding, Limesstr. 12 - 14, 4060 Leonding

Building a great software product is hard. Making sure that a software doesn't break under production load is even harder. In this session we are going to discuss what a software engineer can do to make sure that her/his applications survive production load. First, we will talk about the first pillar of every performance related work: measuring performance. We will use different tools to measure how an application performs. Once we have data we will move on to optimization. We are going to talk about different approaches to make an application more performant. We will talk about different data structures, asynchronous programming, typical performance problems and solutions related to database access layers, and a few .NET specific performance tools. Last but not least, we will discuss how you can monitor a large software system in production to make sure that users have a great experience with your product. The workshop will be a combination of slides and hands-on samples in C# and Visual Studio.

Gergely Kalapos is a software engineer at Dynatrace. He is specialized in .NET and Microsoft technologies and he builds performance monitoring tools for .NET.

Key Technologies in Computer Science and Industry 4.0 is a series of talks and workshops at the HTL Leonding dealing with trending topics in this area. We invite speakers and lecturers from the forefront of key technologies to provide first insights into their field.