Mateusz Nowak, Tomasz Kordas: **Modern software engineer and his challenges**

In this keynote we would like to present to you how working in a modern software house looks like and what challenges software engineers need to face nowadays. Modern programmer needs to possess a couple of traits that are necessary to develop robust software. This presentation is going to make you familiar with how to do it starting from planning work, going through writing and testing code and finally ending up on production and earning money thanks to the software delivered.

Here the demand for well qualified engineers that can put such scenario into practice appears. On the one hand they need to satisfy customer's needs and on the other hand make software that is easy to maintain and does not become an everyday struggle.

The concept of a programmer that only writes code is no longer valid. It is required to cooperate with clients more closely to gain requirements and maintain good relationship with them. Therefore, technical skills alone are not enough. Modern software engineer is required to possess a variety of soft skills that make communication easier.

It is also crucial for programmer to be flexible and adapt to new technologies, so it helps to solve complicated problems in the most reliable and scalable way.