

Thinking in Elixir

Functional and concurrent programming in practice

Speaker: **Saša Jurić**, Elixir mentor, author of *Elixir in Action*, blogger at *The Erlangelist*

Date and time of the talk: **November 14 (Tuesday), 2023, 10:15-12:00 AM**

Site of the talk: Budapest University of Technology and Economics, Faculty of Electrical Engineering and Informatics, **Building „I”**, **Lecture room IB025**, [1117 Budapest, Magyar tudósok körútja 2. fsz.](#)



Language of the talk: English

The talk will take place as part of the *Declarative programming* course. It is open to all interested. No registration is required, however, feedback in email is greatly appreciated at phanak@edu.bme.hu.

Thinking in Elixir

Elixir is a modern programming language built on top of the battle-tested mature Erlang runtime. This combination is a great choice for building any kind of a backend system, regardless of the problem domain, complexity, or scale. Popular examples of systems built with Erlang and/or Elixir can be found in various domains, such as messaging (e.g. WhatsApp and Discord), finance, online games, sports, etc.

Being both a functional and a concurrent language, Elixir provides the tools for managing code complexity, as well as for building fault-tolerant systems. However, people with a background in more popular, mainstream technologies, such as OO programming languages, often fail to see these benefits.

This talk aims to clarify the advantages of Elixir and present them in a practical context. The talk will consist of two parts. We'll start by looking at the functional aspects of Elixir, with a special focus on designing the code and creating the abstractions that fit the problem space. This will then be followed with a practical introduction to concurrent Elixir.

The talk is primarily aimed at people who are Elixir beginners, but who are familiar with the syntax, and have some basic experience with its functional aspects.

About the speaker

Saša is an Elixir mentor helping companies with the adoption of Elixir. He has many years of experience building server systems, as well as desktop applications using various languages and technologies. For the past nine years, his focus has been on building backend systems using Elixir and Erlang. He is the author of [Elixir in Action](#), and an occasional blogger at theerlangelist.com.

Budapest, November 6, 2023