

# C# / .NET

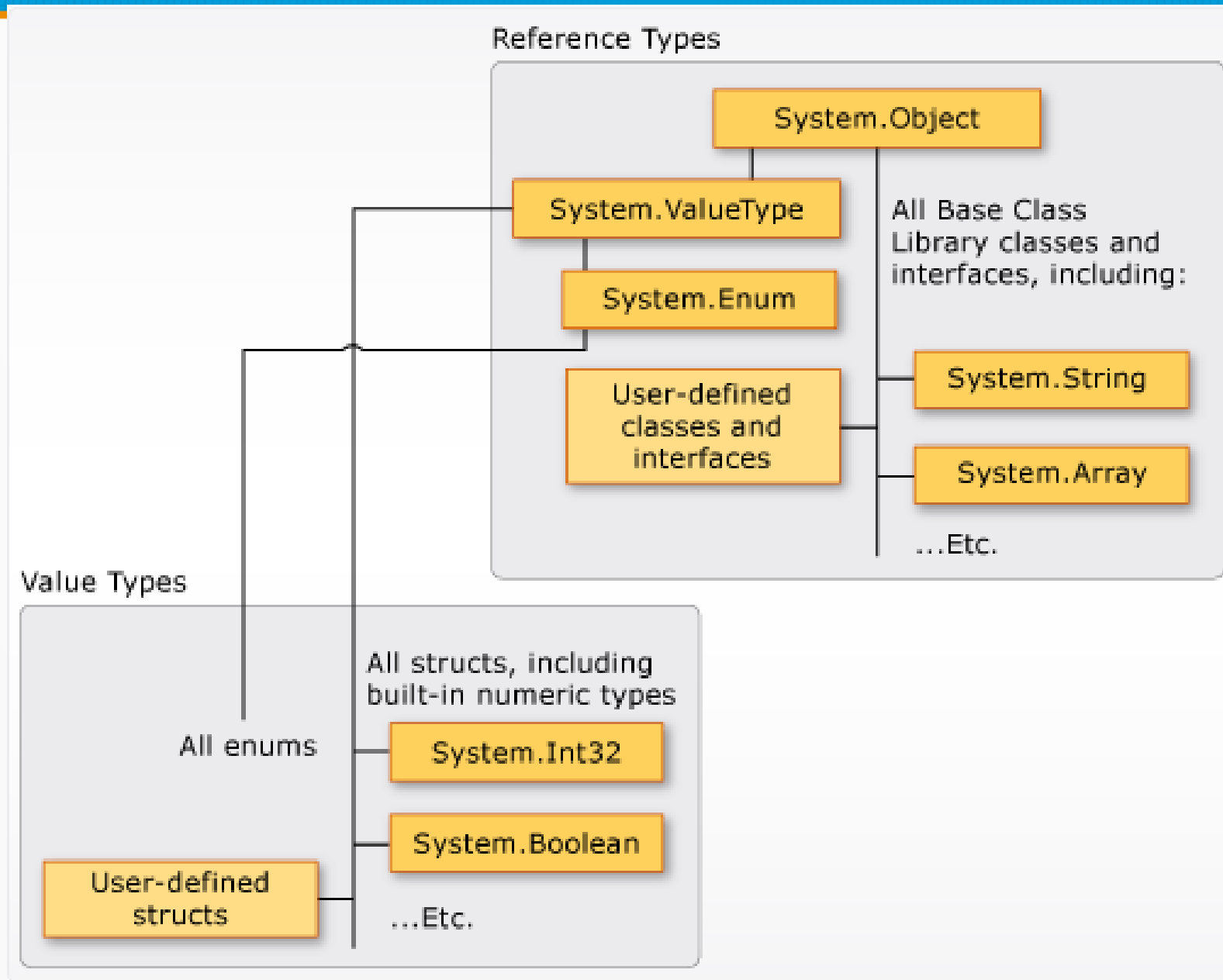
## Lukáš Kubíček

lukaskubicek@gmail.com  
Vakutech.cz

# CNET2

- OOP principy
- Kolekce (Dictionary)
- Base class library
- LINQ
- Asynchronní a paralelní
- WPF
- WEB API

# C# - vše je objekt



# C# - Building blocks

<https://docs.microsoft.com/en-us/dotnet/csharp/tour-of-csharp/program-building-blocks>

**Class Members**

**Accessibility**

**Fields**

**Methods**

**Parameters**

**Static and instance methods**

**Virtual, override, and abstract methods**

**Method overloading**

**Constructors**

**Properties**

**Indexers**

**Events**

**Operators**

**Expressions**

**Statements**

# Kolekce

- **Arrays**
- **Generics**
- **IEnumerable, ICollection**
- **List**
- **Dictionary**
- **HashSet**
- **ObservableCollection**

# LINQ

- Language Integrated Query
- Extension Methods
- Lambdas
- Anonymous types
- SQL, InMemory, XML, ..