

# Certificate

OF ACHIEVEMENT

This document acknowledges that

**Serhii Zhadik**

has successfully completed course:

**Design Patterns in Java**

**Oleg Taritsa**

Chief Executive Officer at ITVDN



ID: **TP90565271**      Date: **19.05.2023**

# Certificate

## OF ACHIEVEMENT

Familiarity with design patterns	80%		
Builder	100%		
Factory method	60%		
Abstract factory	100%		
Prototype	100%		
Singleton	80%		
Adapter	100%		
Bridge	80%		
Composite	100%		
Decorator	80%		
Facade	100%		
Flyweight	80%		
Proxy	100%		
Chain of responsibility	80%		
Command	100%		
Interpreter	80%		
Iterator	100%		
		Mediator	100%
		Memento	60%
		Observer	80%
		State	100%
		Strategy	100%
		Template method	80%
		Visitor	80%

**Score: 883 / 1000**